

DPI610E-IS

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IECEX BAS 21.0005X

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- [DE] Das IECEX-Zertifikat (IECEX BAS 21.0005X) finden Sie auf der IECEX-Website unter: www.iecex.com
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- [JA] IECEX 適合証 (IECEX BAS 21.0005X) については、IECEX の Web サイトをご覧ください : www.iecex.com
- [KK] IECEX сертификатын (IECEX BAS 21.0005X) көру үшін IECEX веб-сайтына кіріңіз: www.iecex.com
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- [KY] Жарылууга кооптуу чөйрөлөр үчүн электр жабдууларын тастыктамалоо боюнча эларалык системасы сертификатын (IECEX BAS 21.0005X) алайын десениз, IECEX (Жарылууга кооптуу чөйрөлөр үчүн электр жабдууларын тастыктамалоо боюнча эларалык системасы сертификатын): www.iecex.com вебсайтына кириңиз.
- [LB] Fir d'Certificaten (IECEX BAS 21.0005X), begitt lech op den IECEX Internetsite op: www.iecex.com
- [LT] Jei reikia IECEX sertifikato (IECEX BAS 21.0005X), apsilankykite IECEX svetainėje adresu: www.iecex.com
- [LV] Lai skatītu IECEX sertifikātu (IECEX BAS 21.0005X), apmeklējiet šo IECEX vietni: www.iecex.com.
- [MT] Għaċ-ċertifikat IECEX (IECEX BAS 21.0005X), żur is-sit elettroniku ta' IECEX fuq: www.iecex.com
- [NB] For IECEX-certifikatet (IECEX BAS 21.0005X) kan du gå til IECEX-nettsiden på: www.iecex.com
- [NL] Voor het IECEX-certificaat (IECEX BAS 21.0005X) gaat u naar de IECEX-website: www.iecex.com
- [PL] Certyfikat IECEX (IECEX BAS 21.0005X) znajduje się na stronie internetowej IECEX pod adresem: www.iecex.com
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- [TG] Барои маълумот дар бораи шаҳодатномаи IECEX (IECEX BAS 21.0005X), ба сомонаи IECEX www.iecex.com гузаред
- [TR] IECEX sertifikası (IECEX BAS 21.0005X) için IECEX web sitesini ziyaret edin: www.iecex.com
- [UZ] IECEX сертификати (IECEX BAS 21.0005X) ҳақида маълумот олиш учун қуйидаги манзилда жойлашган IECEX вебсайтига ташриф буюринг: www.iecex.com
- [ZH] 有关 IECEX 证书 (IECEX BAS 21.0005X) 的详情, 请访问 IECEX 网站: www.iecex.com



EU Declaration of Conformity

Product: DPI610E
Name and address of the manufacturer: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0,
DPI610E-SHC-B1

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

The notified body SGS Fimko (0598) performed an EU-type examination and issued the certificate: SGS 21ATEX0009X

Additional information:
1. Only for model IO610E-PSU.
2. Only for pressure ranges > 20 MPa (200 bar).
3. Only for model DPI610E-SPC-B1, DPI610E-SHC-B1.
4. From 18 August 2024.

Signed for and on behalf of Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, 29 July 2024

Place and date of issue.



ЕС Декларация за Съответствие

Продукт: DPI610E
Наименование и адрес на производителя: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, OK.

Настоящата декларация за съответствие е издадена на отговорността на производителя.

Предмет на декларацията: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0,
DPI610E-SHC-B1

Предметът на декларацията, описан по-горе, отговаря на съответното законодателство на Съюза за хармонизация:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Позоваване на използваните хармонизирани стандарти или позоваване на други технически спецификации, по отношение на които се декларира съответствие:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Нотифицираният орган SGS Fimko (0598) извърши ЕС изследване на типа и издаде следния сертификат: SGS 21ATEX0009X

Допълнителна информация:
1. Само за модел IO610E-PSU.
2. Само за налягания в диапазона > 20 MPa (200 bar).
3. Само за модел DPI610E-SPC-B1, DPI610E-SHC-B1.
4. От 18 август 2024 г..

Подписано за и от името на Druck Limited.

J. MacGregor (Старши инженерен ръководител)

Groby, 29 юли 2024 г.

Място и дата на издаване.



EU Prohlášení o Shodě

Výrobek: DPI610E

Jméno a adresa výrobce: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Spojené království.

Toto prohlášení o shodě se vydává na výhradní odpovědnost výrobce.

Předmět prohlášení: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Výše popsáný předmět prohlášení je ve shodě s příslušnými harmonizačními právními předpisy Unie:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Odkazy na příslušné harmonizované normy, které byly použity, nebo na jiné technické specifikace, na jejichž základě se shoda prohlašuje:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Oznámený subjekt, společnost SGS Fimko (0598), provedl přezkoušení typu EU a vydal certifikát: SGS 21ATEX0009X

Další informace:

1. Pouze pro model IO610E-PSU.
2. Pouze pro rozsahy tlaku > 20 MPa (200 barů).
3. Pouze pro model DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Od neděle 18. srpna 2024.

Podepsáno za a jménem Druck Limited.

J. MacGregor (Senior manažer oddělení technické údržby)

Groby, pondělí 29. července 2024

Místo a datum vydání.



EU-overensstemmelseserklæring

Produkt: DPI610E

Fabrikantens navn og adresse: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Denne overensstemmelseserklæring udstedes på fabrikantens ansvar.

Erklæringens genstand: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Genstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Referencer til de relevante anvendte harmoniserede standarder eller til de andre tekniske specifikationer, som der erklæres overensstemmelse med:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Det bemyndigede organ SGS Fimko (0598) udførte en EU-typeafprøvning og udstedte certifikatet: SGS 21ATEX0009X

Supplerende oplysninger:

1. Kun for model IO610E-PSU.
2. Kun til trykkræfter >200 bar (20 MPa).
3. Kun for model DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Fra 18. august 2024.

Underskrevet for og på vegne af Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, 29. juli 2024

Udstedelsessted og -dato.



EU-Konformitätserklärung

Produkt:	DPI610E
Name und Anschrift des Herstellers:	Druck Limited Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.
Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.	
Gegenstand der Erklärung:	DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1
Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der Union:	2011/65/EU 2014/30/EU 2014/34/EU 2014/35/EU ¹ 2014/53/EU ³ 2014/68/EU ² (EU) 2023/1542 ⁴
Angabe der einschlägigen harmonisierten Normen oder der anderen technischen Spezifikationen, die der Konformitätserklärung zugrunde gelegt wurden:	EN 301 489-1:V2.2.3 (2019-11) ³ EN 301 489-17:V3.2.4 (2020-09) ³ EN 300 328 V2.2.2 (2019-07) ³ EN 62311-2020 IEC 62133-2:2017 EN IEC 60079-0:2018 EN 60079-11:2012 EN 62368-1:2014 +A11:2017 ¹ EN 61326-1:2013
Die benannte Stelle SGS Fimko (0598) hat eine EU-Baumusterprüfung durchgeführt und folgende Bescheinigung ausgestellt:	SGS 21ATEX0009X
Zusatzangaben:	1. Nur für das Modell IO610E-PSU. 2. Nur für Druckbereiche > 20 MPa (200 bar). 3. Nur für das Modell DPI610E-SPC-B1, DPI610E-SHC-B1. 4. Von Sonntag, 18. August 2024.

Unterzeichnet für und im Namen von Druck Limited.

J. MacGregor (Abteilungsleiter Konstruktion)

Groby, Montag, 29. Juli 2024

Ort und Datum der Ausstellung.



Δήλωση Συμμόρφωσης ΕΕ

Προϊόν:	DPI610E
Όνομα και διεύθυνση του κατασκευαστή:	Druck Limited Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.
Η παρούσα δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.	
Στόχος της δήλωσης:	DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1
Ο στόχος της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνος με τη σχετική ενωσιακή νομοθεσία εναρμόνισης:	2011/65/EU 2014/30/EU 2014/34/EU 2014/35/EU ¹ 2014/53/EU ³ 2014/68/EU ² (EU) 2023/1542 ⁴
Παραπομπές στα σχετικά εναρμονισμένα πρότυπα που χρησιμοποιήθηκαν ή παραπομπές στις λοιπές τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:	EN 301 489-1:V2.2.3 (2019-11) ³ EN 301 489-17:V3.2.4 (2020-09) ³ EN 300 328 V2.2.2 (2019-07) ³ EN 62311-2020 IEC 62133-2:2017 EN IEC 60079-0:2018 EN 60079-11:2012 EN 62368-1:2014 +A11:2017 ¹ EN 61326-1:2013
Ο κοινοποιημένος οργανισμός SGS Fimko (0598) πραγματοποίησε εξέταση τύπου ΕΕ και εξέδωσε το πιστοποιητικό:	SGS 21ATEX0009X
Πρόσθετες πληροφορίες:	1. Μόνο για το μοντέλο IO610E-PSU. 2. Αποκλειστικά για χρήση σε εύρος πιέσεων > 20 MPa (200 bar). 3. Μόνο για το μοντέλο DPI610E-SPC-B1, DPI610E-SHC-B1. 4. Από Κυριακή, 18 Αυγούστου 2024.

Υπογραφή για λογαριασμό και εξ ονόματος Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, Δευτέρα, 29 Ιουλίου 2024

Τόπος και ημερομηνία έκδοσης.



Declaración UE de conformidad

Producto: DPI610E

Nombre y dirección del fabricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Reino Unido.

La presente declaración de conformidad se expide bajo la exclusiva responsabilidad del fabricante.

Objeto de la declaración: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

El objeto de la declaración descrita anteriormente es conforme con la legislación de armonización pertinente de la Unión:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Referencias a las normas armonizadas pertinentes utilizadas, o referencias a las otras especificaciones técnicas respecto a las cuales se declara la conformidad:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

El organismo notificado SGS Fimko (0598) llevó a cabo un examen de tipo UE y emitió el certificado: SGS 21ATEX0009X

Información adicional:

1. Solo para el modelo IO610E-PSU.
2. Solo para rangos de presión > 20 MPa (200 bares).
3. Solo para el modelo DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Desde domingo, 18 de agosto de 2024.

Firmado en nombre de Druck Limited.



J. MacGregor (Director superior de ingeniería)

Groby, lunes, 29 de julio de 2024

Lugar y fecha de expedición.



ELi vastavusdeklaratsioon

Toode: DPI610E

Tootja nimi ja aadress: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Ühendkuningriik.

Käesolev vastavusdeklaratsioon on välja antud tootja ainuvastutusel.

Deklareeritav toode: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Ülalkirjeldatud deklareeritav toode on kooskõlas asjaomaste liidu ühtlustamisaktidega:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Viited kasutatud harmoneeritud standarditele või viited muudele tehnilistele spetsifikatsioonidele, millele vastavust deklareeritakse:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Teavitatud asutus SGS Fimko (0598) viis läbi ELi tüübihindamise ja väljastas sertifikaadi: SGS 21ATEX0009X

Lisateave:

1. Ainult mudeli IO610E-PSU jaoks.
2. Ainult rõhuvahemikele > 20 MPa (200 bar).
3. Ainult mudeli DPI610E-SPC-B1, DPI610E-SHC-B1 jaoks.
4. Alates pühapäev, 18. august 2024.

Alla kirjutanud (kelle poolt ja nimel) Druck Limited.



J. MacGregor (Vanem peainsener)

Groby, esmaspäev, 29. juuli 2024

Väljaandmise koht ja kuupäev.



EU-vaatimustenmukaisuusvakuutus

Tuote: DPI610E
Valmistajan nimi ja osoite: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Iso-Britannia.

Tämä vaatimustenmukaisuusvakuutus on annettu valmistajan yksinomaisella vastuulla.

Vakuutuksen kohde: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0,
DPI610E-SHC-B1

Edellä kuvattu vakuutuksen kohde on asiaa koskevan unionin yhdenmukaistamislainsäädännön vaatimusten mukainen:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Viittaus niihin asiaa koskeviin yhdenmukaistettuihin standardeihin, joita on käytetty, tai viittaus muihin teknisiin eritelmiin, joiden perusteella vaatimustenmukaisuusvakuutus on annettu:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Ilmoitettu laitos SGS Fimko (0598) suoritti EU-tyyppitarkastuksen ja antoi todistuksen:

Lisätietoja:
1. Vain mallille IO610E-PSU.
2. Vain painealueet > 20 MPa (200 bar).
3. Vain mallille DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Alkaen: sunnuntai 18. elokuuta 2024.

Puolesta allekirjoittanut Druck Limited.

J. MacGregor (Vanhempi tekninen johtaja)

Groby, maanantai 29. heinäkuuta 2024

Antamisaikka ja -päivämäärä.



Déclaration UE de Conformité

Produit: DPI610E
Nom et adresse du fabricant: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Royaume-Uni.

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.

Objet de la déclaration: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0,
DPI610E-SHC-B1

L'objet de la déclaration décrit ci-dessus est conforme à la législation d'harmonisation de l'Union applicable:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Références des normes harmonisées pertinentes appliquées ou des autres spécifications techniques par rapport auxquelles la conformité est déclarée:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

L'organisme notifié SGS Fimko (0598) a procédé à un examen UE de type et délivré le certificat ci-après: SGS 21ATEX0009X

Informations complémentaires:
1. Uniquement pour modèle IO610E-PSU.
2. Uniquement pour les plages de pression > 20 MPa (200 bar).
3. Uniquement pour modèle DPI610E-SPC-B1, DPI610E-SHC-B1.
4. De dimanche 18 août 2024.

Signé par et au nom de Druck Limited.

J. MacGregor (Directeur technique en chef)

Groby, lundi 29 juillet 2024

Date et lieu d'établissement.



EU Izjava o sukladnosti

Proizvod: DPI610E
Ime i adresa proizvođača: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Za izdavanje EU izjave o sukladnosti odgovoran je isključivo proizvođač.

Predmet izjave: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Predmet navedene izjave u skladu je s mjerodavnim zakonodavstvom Unije o usklađivanju:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Pozivanja na relevantne primijenjene usklađene norme ili pozivanja na druge tehničke specifikacije u vezi s kojima se izjavljuje sukladnost:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Prijavljeno tijelo SGS Fimko (0598) provelo je EU tipsko ispitivanje i izdalo certifikat: SGS 21ATEX0009X

Dodatne informacije:
1. Samo za model IO610E-PSU.
2. Samo za raspone tlaka > 20 MPa (200 bara).
3. Samo za model DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Od 18. kolovoza 2024..

Potpisano za i u ime Druck Limited.

J. MacGregor (Viši poslovođa za inženjerske poslove)

Groby, 29. srpnja 2024.

Mjesto i dan izdavanja.



EU Megfelelőségi Nyilatkozat

Termék: DPI610E
A gyártó neve és címe: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Ezt a megfelelőségi nyilatkozatot a gyártó kizárólagos felelőssége mellett adják ki.

A nyilatkozat tárgya: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

A fent ismertetett nyilatkozat tárgya megfelel a vonatkozó uniós harmonizációs jogszabályoknak:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Az alkalmazott harmonizált szabványokra való hivatkozás vagy az azokra az egyéb műszaki leírásokra való hivatkozás, amelyekkel kapcsolatban megfelelőségi nyilatkozatot tettek:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Az SGS Fimko (0598) tanúsítószervezet az általa elvégzett EU típusvizsgálat alapján a következő tanúsítványt bocsátotta ki: SGS 21ATEX0009X

További információk:
1. Kizárólag IO610E-PSU modell vonatkozásában.
2. Csak > 20 MPa (200 bar) nyomástartományokhoz.
3. Kizárólag DPI610E-SPC-B1, DPI610E-SHC-B1 modell vonatkozásában.
4. Ettől: 2024. augusztus 18., vasárnap.

A nyilatkozatot az alábbi nevében és megbízásából írták alá Druck Limited.

J. MacGregor (Műszaki vezető munkatárs)

Groby, 2024. július 29., hétfő

A kiállítás helye és dátuma.



ESB-samræmisýfirlýsing

Vara: DPI610E

Heiti og heimilisfang framleiðanda: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Bretland.

Útgáfa þessarar samræmisýfirlýsingar er alfarið á ábyrgð framleiðandans.

Hluturinn sem yfirlýsingin á við um: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Hluturinn sem yfirlýsingin á við um og sem lýst er hér á undan er í samræmi við viðkomandi samhæfingarlöggjöf Evrópusambandsins:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Tilvísanir í viðkomandi samhæfða staðla sem eru notaðir eða tilvísanir í aðrar tækniforskriftir sem samræmisýfirlýsing miðast við:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Tilkynnti aðilinn SGS Fimko (0598) framkvæmdi ESB-gerðarprófun og gaf út vottorðið:

SGS 21ATEX0009X

- Frekari upplýsingar:
- Aðeins fyrir gerð IO610E-PSU.
 - Aðeins fyrir þrýstingssvið > 20 MPa (200 bör).
 - Aðeins fyrir gerð DPI610E-SPC-B1, DPI610E-SHC-B1.
 - Frá sunnudagur, 18. ágúst 2024.

Undirritað fyrir hönd Druck Limited.


J. MacGregor (Yfirverkfræðingur)

Groby, mánudagur, 29. júlí 2024
Staður og útgáfudagur.



Dichiarazione di conformità UE

Prodotto: DPI610E

Nome e indirizzo del fabbricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante.

Oggetto della dichiarazione: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa di armonizzazione dell'Unione:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Riferimento alle pertinenti norme armonizzate utilizzate o riferimenti alle altre specifiche tecniche in relazione alle quali è dichiarata la conformità:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

L'ente notificato SGS Fimko (0598) ha eseguito un esame UE e ha rilasciato il certificato:

SGS 21ATEX0009X

- Informazioni aggiuntive:
- Solo per il modello IO610E-PSU.
 - Solo per campi di pressione > 20 MPa (200 bar).
 - Solo per il modello DPI610E-SPC-B1, DPI610E-SHC-B1.
 - Da domenica 18 agosto 2024.

Firmato a nome e per conto di Druck Limited.


J. MacGregor (Senior Engineering Manager)

Groby, lunedì 29 luglio 2024
Luogo e data del rilascio.



ES atitikties deklaracija

Gaminys: DPI610E
Gamintojo pavadinimas ir adresas: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Ši atitikties deklaracija išduota tik gamintojo atsakomybe.

Deklaracijos objektas: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Pirmiau aprašytas deklaracijos objektas atitinka susijusius derinamuosius Sąjungos teisės aktus:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Susijusių taikytų darniųjų standartų nuorodos arba kitų techninių specifikacijų, pagal kurias buvo deklaruota atitiktis, nuorodos:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Paskelbtoji įstaiga SGS Fimko (0598) atliko ES tipo tyrimą ir išdavė sertifikatą: SGS 21ATEX0009X

Papildoma informacija:
1. Tik modeliui IO610E-PSU.
2. Tik slėgio diapazonams >20 MPa (200 barų).
3. Tik modeliui DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Nuo 2024 m. rugpjūčio 18 d., sekmadienis.

Už ką ir kieno vardu pasirašyta Druck Limited.

J. MacGregor (Vyresnysis inžinierijos skyriaus vadovas)

Groby, 2024 m. liepos 29 d., pirmadienis
Išdavimo data ir vieta.



ES atbilstības deklarācija

Produkts: DPI610E
Ražotāja vieta nosaukums un adrese: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Šī atbilstības deklarācija ir izdota vienīgi uz ražotāja atbildību.

Deklarācijas priekšmets: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Iepriekš aprakstītais deklarācijas objekts atbilst attiecīgajam Savienības saskaņošanas tiesību aktam:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Atsauces uz attiecīgajiem izmantojamiem saskaņotajiem standartiem vai uz citām tehniskajām specifikācijām, attiecībā uz ko tiek deklarēta atbilstība:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Pilnvarotā iestāde SGS Fimko (0598) veica ES tipa pārbaudi un izsniedza sertifikātu: SGS 21ATEX0009X

Papildu informācija:
1. Tikai modelim IO610E-PSU.
2. Tikai spiediena diapazoniem, kas pārsniedz 20 MPa (200 bar).
3. Tikai modelim DPI610E-SPC-B1, DPI610E-SHC-B1.
4. No svētdiena, 2024. gada 18. augusts.

Parakstītas šādas personas vārdā Druck Limited.

J. MacGregor (Vecākais tehniskais vadītājs)

Groby, pirmdiena, 2024. gada 29. jūlijs
Izdošanas vieta un datums.



Dikjarazzjoni ta' Konformità tal-UE

Prodott: DPI610E
L-isem u l-indirizz tal-manifattur: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Din id-dikjarazzjoni ta' konformità tinhareġ taht ir-responsabbiltà unika tal-manifattur.

L-għan tad-dikjarazzjoni: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

L-għan tad-dikjarazzjoni deskritt hawn fuq huwa konformi mal-leġislazzjoni ta' armonizzazzjoni rilevanti tal-Unjoni:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Ir-referenzi għall-istandards armonizzati rilevanti li ntużaw, jew ir-referenzi għall-ispeċifikazzjonijiet tekniċi l-oħra li skonthom qed tiġi ddikjarata l-konformità:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Il-korp notifikat SGS Fimko (0598) wettaq eżaminazzjoni tat-tip tal-UE u hareġ iċ-ċertifikat: SGS 21ATEX0009X

Informazzjoni addizzjonali:

1. Għall-mudell IO610E-PSU biss.
2. Għal meded ta' pressjoni ta' > 20 MPa (200 bar) biss.
3. Għall-mudell DPI610E-SPC-B1, DPI610E-SHC-B1 biss.
4. Minn Il-Ħadd, 18 ta' Awwissu 2024.

Iffirmat għal u f'isem Druck Limited.

J. MacGregor (Maniġer Anzjan tat-Teknoloġija)

Groby, It-Tnejn, 29 ta' Lulju 2024

Post u data tal-ħruġ.



EU-Samsvarserklæring

Produkt: DPI610E
Navn og adresse til producent: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Storbritannia.

Produsent er ansvarlig for udstedelse av denne samsvarserklæring.

Gjenstanden som samsvarserklæres: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Gjenstanden for erklæringen, som beskrevet ovenfor, er i overensstemmelse med den relevante EU-harmoniseringslovgivning:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Referanser til de relevante, harmoniserte standardene som brukes, eller referanser til de andre tekniske spesifikasjonene som samsvar erklæres i tilknytning til:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Det underrettede organet SGS Fimko (0598) utførte en undersøkelse av EU-type og utstedte sertifikatet: SGS 21ATEX0009X

Supplerende opplysninger:

1. Kun for modell IO610E-PSU.
2. Kun for trykkområder på > 20 MPa (200 bar).
3. Kun for modell DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Fra søndag 18. august 2024.

Underskrevet for og på vegne av Druck Limited.

J. MacGregor (Senior teknisk sjef)

Groby, mandag 29. juli 2024

Sted og dato for utstedelse.



EU-Conformiteitsverklaring

Product: DPI610E
Naam en adres van de fabrikant: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, GB.

Deze conformiteitsverklaring wordt verstrekt onder volledige verantwoordelijkheid van de fabrikant.

Voorwerp van de verklaring: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Het hierboven beschreven voorwerp is in overeenstemming de desbetreffende harmonisatiewetgeving van de Unie: 2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Vermelding van de toegepaste relevante geharmoniseerde normen of van de overige technische specificaties waarop de conformiteitsverklaring betrekking heeft: EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Het aangemelde orgaan SGS Fimko (0598) heeft een EU-type onderzoek uitgevoerd en heeft het volgende certificaat uitgegeven: SGS 21ATEX0009X

Aanvullende informatie:
1. Alleen voor model IO610E-PSU.
2. Uitsluitend voor drukbereiken groter dan 200 bar (20 MPa).
3. Alleen voor model DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Van zondag 18 augustus 2024.

Ondertekend voor en namens Druck Limited.

J. MacGregor (Senior Technisch Manager)

Groby, maandag 29 juli 2024

Plaats en datum van uitgifte.



Deklaracja Zgodności UE

Produkt: DPI610E
Nazwa i adres producenta: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, Wielka Brytania.

Niniejsza deklaracja zgodności wydana zostaje na wyłączną odpowiedzialność producenta.

Przedmiot deklaracji: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Wymieniony powyżej przedmiot niniejszej deklaracji jest zgodny z odpowiednimi wymaganiami unijnego prawodawstwa harmonizacyjnego: 2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Odniesienia do odpowiednich norm zharmonizowanych, które zastosowano, lub do innych specyfikacji technicznych, w stosunku do których deklarowana jest zgodność: EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Jednostka notyfikowana SGS Fimko (0598) przeprowadziła badanie typu UE i wydała następujący certyfikat: SGS 21ATEX0009X

Informacje dodatkowe:
1. Tylko dla modelu IO610E-PSU.
2. Do zakresu ciśnień >20 MPa (200 barów).
3. Tylko dla modelu DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Od niedzieli, 18 sierpnia 2024.

Podpisano w imieniu Druck Limited.

J. MacGregor (Starszy kierownik ds. inżynierii)

Groby, poniedziałek, 29 lipca 2024

Miejsce i data wydania.



Declaração UE de Conformidade

Produto: DPI610E

Nome e endereço do fabricante: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, RU.

A presente declaração de conformidade é emitida sob a exclusiva responsabilidade do fabricante:

Objeto da declaração: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

O objeto da declaração acima descrito está em conformidade com a legislação aplicável de harmonização da União:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Referências às normas harmonizadas aplicáveis utilizadas ou às outras especificações técnicas em relação às quais é declarada a conformidade:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

O organismo notificado, SGS Fimko (0598), efetuou um exame "UE de tipo" e emitiu o certificado:

SGS 21ATEX0009X

Informações complementares:

1. Apenas para o modelo IO610E-PSU.
2. Apenas para faixas de pressão > 20 MPa (200 bar).
3. Apenas para o modelo DPI610E-SPC-B1, DPI610E-SHC-B1.
4. De 18 de agosto de 2024.

Assinado por e em nome de Druck Limited.


J. MacGregor (Gestor de engenharia sénior)

Groby, 29 de julho de 2024
Local e data de emissão.



Declarație UE de conformitate

Produsul: DPI610E

Denumirea și adresa producătorului: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Prezenta declarație de conformitate este emisă pe răspunderea exclusivă a producătorului.

Obiectul declarației: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Obiectul declarației descris mai sus este în conformitate cu legislația relevantă de armonizare a Uniunii:

2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Trimiteri la standardele armonizate relevante folosite sau trimiteri la celelalte specificații tehnice în legătură cu care se declară conformitatea:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Organismul notificat – SGS Fimko (0598) – a efectuat o examinare de tip UE și a emis certificatul:

SGS 21ATEX0009X

Informații suplimentare:

1. Doar pentru modelul IO610E-PSU.
2. Doar pentru intervalele de presiune mai mari de 20 MPa (200 bari).
3. Doar pentru modelul DPI610E-SPC-B1, DPI610E-SHC-B1.
4. De la duminică, 18 august 2024.

Semnat pentru și în numele Druck Limited.


J. MacGregor (Manager general inginerie)

Groby, luni, 29 iulie 2024
Locul și data emiterii.



EÚ Vyhlásenie o zhode

Výrobok:	DPI610E
Meno/názov a adresa výrobcu:	Druck Limited Fir Tree Lane, Groby, Leicester, LE6 0FH, Spojené kráľovstvo.
Toto vyhlásenie o zhode sa vydáva na vlastnú zodpovednosť výrobcu.	
Predmet vyhlásenia:	DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1
Uvedený predmet vyhlásenia je v zhode s príslušnými harmonizovanými právnymi predpismi Únie:	2011/65/EU 2014/30/EU 2014/34/EU 2014/35/EU ¹ 2014/53/EU ³ 2014/68/EU ² (EU) 2023/1542 ⁴
Odkazy na príslušné použité harmonizované normy alebo odkazy na iné technické špecifikácie, v súvislosti s ktorými sa zhoda vyhlasuje:	EN 301 489-1:V2.2.3 (2019-11) ³ EN 301 489-17:V3.2.4 (2020-09) ³ EN 300 328 V2.2.2 (2019-07) ³ EN 62311-2020 IEC 62133-2:2017 EN IEC 60079-0:2018 EN 60079-11:2012 EN 62368-1:2014 +A11:2017 ¹ EN 61326-1:2013
Notifikovaný orgán SGS Fimko (0598) vykonal typovú skúšku EÚ a vydal certifikát:	SGS 21ATEX0009X
Doplňujúce informácie: 1. Len pre model IO610E-PSU. 2. Len pre rozsahy tlaku > 20 MPa (200 barov). 3. Len pre model DPI610E-SPC-B1, DPI610E-SHC-B1. 4. Od nedele 18. augusta 2024.	

Podpísané za a v mene Druck Limited.

J. MacGregor (Technický riaditeľ)

Groby, pondelok 29. júla 2024

Miesto a dátum vydania.



Izjava EU o Skladnosti

Proizvod:	DPI610E
Ime in naslov proizvajalca:	Druck Limited Fir Tree Lane, Groby, Leicester, LE6 0FH, VB.
Za izdajo te izjave o skladnosti je odgovoren izključno proizvajalec.	
Predmet izjave:	DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1
Predmet navedene izjave je v skladu z ustrezno zakonodajo Unije o harmonizaciji:	2011/65/EU 2014/30/EU 2014/34/EU 2014/35/EU ¹ 2014/53/EU ³ 2014/68/EU ² (EU) 2023/1542 ⁴
Sklicevanja na uporabljene ustrezne harmonizirane standarde ali sklicevanja na druge tehnične specifikacije v zvezi s skladnostjo, ki je navedena v izjavi:	EN 301 489-1:V2.2.3 (2019-11) ³ EN 301 489-17:V3.2.4 (2020-09) ³ EN 300 328 V2.2.2 (2019-07) ³ EN 62311-2020 IEC 62133-2:2017 EN IEC 60079-0:2018 EN 60079-11:2012 EN 62368-1:2014 +A11:2017 ¹ EN 61326-1:2013
Priglašeni organ SGS Fimko (0598) je izvedel EU-pregled tipa in izdal potrdilo:	SGS 21ATEX0009X
Dodatne informacije: 1. Samo za model IO610E-PSU. 2. Samo za območje tlaka > 20 MPa (200 barov). 3. Samo za model DPI610E-SPC-B1, DPI610E-SHC-B1. 4. Od nedelja, 18. avgust 2024.	

Podpisano za in v imenu Druck Limited.

J. MacGregor (Višji vodilni inženir)

Groby, ponedeljek, 29. julij 2024

Kraj in datum izdaje.



EU-försäkran om överensstämmelse

Produkt: DPI610E
Tillverkarens namn och adress: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

Denna försäkran om överensstämmelse utfärdas på tillverkarens eget ansvar.

Föremål för försäkran: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Föremålet för försäkran ovan överensstämmer med den relevanta harmoniserade unionslagstiftningen:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Hänvisningar till de relevanta harmoniserade standarder som använts eller hänvisningar till de andra tekniska specifikationer enligt vilka överensstämmelsen försäkras:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Det anmälda organet SGS Fimko (0598) genomförde en EU-typprovning och utfärdade certifikatet: SGS 21ATEX0009X

Ytterligare information:

1. Endast för modell IO610E-PSU.
2. Endast för tryck > 20 MPa (200 bar)
3. Endast för modell DPI610E-SPC-B1, DPI610E-SHC-B1.
4. Från och med den 18 augusti 2024.

Undertecknat för Druck Limited.

J. MacGregor (Senior Engineering Manager)

Groby, den 29 juli 2024

Ort och datum för utfärdande.



AB Ugunluk Beyanı

Ürün: DPI610E
Üreticinin adı ve adresi: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, İngiltere.

Bu uygunluk beyanı yalnızca üreticinin sorumluluğu altında düzenlenmiştir.

Beyan konusu: DPI610E-SPC-B0, DPI610E-SPC-B1, DPI610E-SHC-B0, DPI610E-SHC-B1

Yukarıda açıklanan beyan konusu ürün, ilgili Avrupa Birliği uyum mevzuatına uygundur:
2011/65/EU
2014/30/EU
2014/34/EU
2014/35/EU¹
2014/53/EU³
2014/68/EU²
(EU) 2023/1542⁴

Kullanılmış olan ilgili uyumlaştırılmış standartlar veya uygunluğu beyan edilen ürünle ilgili diğer teknik özellikler hakkındaki referanslar:
EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311-2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

Onaylı kuruluş SGS Fimko (0598) tarafından AB tip inceleme gerçekleştirilmiş ve şu sertifika düzenlenmiştir: SGS 21ATEX0009X

Ek bilgiler:

1. Yalnızca IO610E-PSU modeli için.
2. Yalnızca > 20 MPa (200 bar) basınç aralıkları içindir.
3. Yalnızca DPI610E-SPC-B1, DPI610E-SHC-B1 modeli için.
4. Başlangıç 18 Ağustos 2024 Pazar.

Druck Limited adına imzalanmıştır.

J. MacGregor (Mühendislik Birimi Kıdemli Müdürü)

Groby, 29 Temmuz 2024 Pazartesi

Düzenleme yeri ve tarihi.

Declaration of Conformity

Product: DPI 610E

Name and address of the manufacturer: Druck Limited
Fir Tree Lane, Groby, Leicester, LE6 0FH, UK.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: DPI 610E-SPC-B0, DPI 610E-SPC-B1, DPI 610E-SHC-B0,
DPI 610E-SHC-B1

The object of the declaration described above is in conformity with the relevant statutory requirements:

S.I. 2012/3032; amended by S.I. 2019/492
S.I. 2016/1091; amended by S.I. 2019/696
S.I. 2016/1101; amended by S.I. 2019/696¹
S.I. 2016/1105; amended by S.I. 2019/696²
S.I. 2016/1107; amended by S.I. 2019/696
S.I. 2017/1206; amended by S.I. 2019/696³

References to the relevant designated standards used or references to the other technical specifications in relation to which conformity is declared:

EN 301 489-1:V2.2.3 (2019-11)³
EN 301 489-17:V3.2.4 (2020-09)³
EN 300 328 V2.2.2 (2019-07)³
EN 62311:2020
IEC 62133-2:2017
EN IEC 60079-0:2018
EN 60079-11:2012
EN 62368-1:2014 +A11:2017¹
EN 61326-1:2013

The approved body SGS Baseefa (1180) performed an UK-type examination and issued the certificate: BAS21UKEX0638X

Additional information:

1. Only for accessory IO610E-PSU.
2. Only for pressure ranges > 20 MPa (200 bar).
3. Only for model DPI610E-SPC-B1, DPI610E-SHC-B1.

Signed for and on behalf of Druck Limited.



J. MacGregor (Senior Engineering Manager)

Groby, 29 July 2024

Place and date of issue.

EU - TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

- 1 EU - Type Examination Certificate Number: **SGS21ATEX0009X – Issue 2**
- 2 Product: **DPI610E-SPC (Pneumatic) and DPI610E-SHC (Hydraulic) Portable Pressure Calibrator**
- 3 Manufacturer: **Druck Limited**
- 4 Address: **Fir Tree Lane, Groby, Leicester, LE6 0FH, United Kingdom**
- 5 This re-issued certificate extends EU Type Examination Certificate No. **SGS21ATEX0009X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.
- 6 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 The examination and test results are recorded in confidential Report No. **See Certificate History**
- 8 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-11:2012
except in respect of those requirements listed at item 18 of the Schedule.
- 9 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 10 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 11 The marking of the product shall include the following:
Ⓔ II 1 G Ex ia IIC T4 Ga (-10 °C ≤ Ta ≤ +50 °C)

SGS Fimko Oy Customer Reference No. **0312**

Project File No. **22/0434**

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SGS Fimko Oy

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Mikko Välimäki
Authorised Signatory for SGS Fimko Oy

Schedule

13

14

Certificate Number SGS21ATEX0009X – Issue 2

15 Description of Product

The DPI610E is a portable pressure calibrator with commercial and hazardous area variants. The devices considered for hazardous areas are pressure calibrators for pneumatic and hydraulic processes. The different process mediums are identified in the part numbers as DPI610E-SPC (pneumatic) or DPI610E-SHC (hydraulic).

The pressure range covered by each model are -1 bar to 35 bar for the DPI610E-SPC and 0 bar to 1000 bar for the DPI610E-SHC model.

The electronics is housed within a PC/ABS enclosure with an overmould to help protect the equipment enclosure from damage. A glass touchscreen display is provided for display of data and parameter control. The enclosure is provided with an integral handle for transportation.

The equipment is provided with a pressure port to allow connection to the device under test and a manually operated pressure release port. The DPI610E-SPC has an additional port for a barometric sensor and the DPI610E-SHC has a port for connection of a fluid reservoir.

The DPI610E-SPC has a manually operated pump and a fine adjust for the generation and control of pressure. The DPI610E-SHC has a priming pump to facilitate bleeding of the pressure system and a pressure intensifier to generate the pressure.

The equipment is powered by a rechargeable battery pack that is to be charged only in safe areas. A button activated battery indicator is provided that, when depressed, lights several LED's that give an indication of the battery level. The charging socket rating of either $U_m = 18V$ or $U_m = 30V$ is marked on the equipment.

The USB connector is rated $U_m = 253V$ and is for use only in safe areas.

The RS485 connection may be used in hazardous areas but must only be connected to certified passive accessories. It has the entity parameters:

RS485 Interface Entity Parameter					
Ui	=	No Connection Permitted to Devices with Independent Power Source	Uo	=	6.3 V
Ii	=		Io	=	748 mA
Pi	=		Po	=	980 mW
Ci	=	35.2 nF	Co	=	15.4 μ F
Li	=	0 μ H	Lo	=	17 μ H

There are two measurement channels that share a common 0V and have their own separate entity parameters:

Channel 1 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	6.3 V
Ii	=	450 mA	Io	=	49 mA
Pi	=	1 W	Po	=	77 mW
Ci	=	3.00 nF	Co	=	30.0 nF
Li	=	0 μ H	Lo	=	7.40 mH

Channel 2 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	25.2V
Ii	=	450 mA	Io	=	141 mA
Pi	=	1 W	Po	=	858 mW
Ci	=	11.22 nF	Co	=	21.80 nF
Li	=	0 μ H	Lo	=	834 μ H

16 Report Number

See Certificate History.

17 Specific Conditions of Use

1. The equipment must be charged in a non-hazardous area with an ambient temperature of $0\text{ }^{\circ}\text{C} \leq T_{\text{amb}} \leq +45\text{ }^{\circ}\text{C}$.
2. The RS485 connection must only be connected to certified passive accessories i.e. power derived from the DPI610E-IS only.
3. The USB connection is only for use in a non-hazardous area.
4. Where an alternative internal pressure sensor is used it must be a certified device and installed in accordance with the terminal parameters and any conditions of safe use applied to them.
5. Where a remote sensor is connected to Channel 2, the remote sensor must be disconnected from all other power sources.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
162M7520	1 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Constraints
162M7520	2 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Measure
162M7520	3 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Loop
162M7520	4 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Display and Comms PSU
162M7520	5 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Coulomb Counter
162M7520	6 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) On Off and Battery Selection
162M7520	7 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) USB Interface Protection
162M7520	8 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Connectors
162M7520	9 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Battery Charger
162M7520	10 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) C and C Table
162M7521	1 to 9	C	29-JUL-2022	PCB Fabrication Plots DPI610E-IS PSU Board Fab (BASEEFA)
162M7581	1 to 14	C	28-JUL-2022	DPI610E-IS PSU Board BOM (BASEEFA)

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
159M8569	1 to 4	A	02-MAY-22	DPI610E Top Level Pneumatic Assy (BASEEFA)
159M9795	1 to 4	A	02-MAY-2022	DPI610E Top Level Hydraulic Assy (BASEEFA)
159M8854	1 to 3	-	24-DEC-21	DPI610E Top Case Assy Pneumatic (BASEEFA)
159M9305	1 to 3	-	24-DEC-21	DPI610E Top Case Assy Hydraulic (BASEEFA)
160M6735	1 of 1	-	23-DEC-21	DPI610E-IS Top Case and Display Assembly (BASEEFA)
162M8982	1 of 1	-	16-DEC-21	Hydraulic Reservoir – IS (BASEEFA)
159M8605	1 of 1	-	23-DEC-21	DPI610E-IS Keypad (BASEEFA)
159M8573	1 of 1	-	23-DEC-21	DPI610E-IS PSU Encapsulation (BASEEFA)
160M7048	1 of 1	-	24-SEP-21	DPI610E-IS BLE Encapsulation (BASEEFA)
159M8529	1 of 1	-	23-DEC-21	DPI610E-IS Battery Indicator (BASEEFA)
154M2797	1 to 2	-	23-DEC-21	DPI610E-IS Battery Pack Assembly (BASEEFA)
159M8072	1 of 1	-	23-DEC-21	DPI610E-IS Ext Barometer Cable (BASEEFA)
159M8276	1 of 1	-	23-DEC-21	DPI610E-IS Sensor Cable Assy (BASEEFA)
154M3024	1 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Top Sheet
154M3024	2 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Power I/F and On/Off Control
154M3024	3 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Microcontroller
154M3024	4 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) RS485 Interface
154M3024	5 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) USB Interface
154M3024	6 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Internal Pressure Sensor I/F
154M3024	7 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Keypad and Bluetooth Interface
154M3024	8 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Analogue Isolators
154M3024	9 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 Voltage Measure
154M3024	10 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 Current Measure
154M3024	11 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 ADC
154M3024	12 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 HART
154M3024	13 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 2 OWI Loop Drive
154M3024	14 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Analogue Terminals
155M2904	1 of 17	-	7-DEC-21	PCB Fabrication Plots DPI610E-IS Main Board TQFP Fab (BASEEFA)
159M8834	1 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Top Sheet

Number	Sheet	Issue	Date	Description
159M8834	2 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Power I/F and On/Off Control
159M8834	3 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Microcontroller
159M8834	4 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) RS485 Interface
159M8834	5 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) USB Interface
159M8834	6 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Internal Pressure Sensor I/F
159M8834	7 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Keypad and Bluetooth Interface
159M8834	8 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Analogue Isolators
159M8834	9 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 Voltage Measure
159M8834	10 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 Current Measure
159M8834	11 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 ADC
159M8834	12 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 HART
159M8834	13 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 2 OWI Loop Drive
159M8834	14 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Analogue Terminals
159M8837	1 of 17	-	07-DEC-21	PCB Fabrication Plots DPI610E-IS Main Board BGA Fab (BASEEFA)
151M9229	1 to 14	B	28-APR-22	DPI610E-IS Main Board BOM (BASEEFA)
153M8107	1 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Constraints
153M8107	2 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Measure
153M8107	3 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Loop
153M8107	4 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Display and Comms PSU
153M8107	5 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Coulomb Counter
153M8107	6 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) On Off and Battery Selection
153M8107	7 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) USB Interface Protection
153M8107	8 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Connectors
153M8107	9 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Battery Charger
153M8107	10 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) C and C Table
155M2908	1 to 10	-	07-DEC-2021	PCB Fabrication Plots DPI610E-IS PSU Board Fab (BASEEFA)

Number	Sheet	Issue	Date	Description
154M0541	1 to 14	B	03-MAY-2022	DPI610E-IS PSU Board BOM (BASEEFA)
155M2916	1 of 2	-	21-DEC-2021	DPI610E-IS Battery Board Schematic (BASEEFA) Constraints
155M2916	2 of 2	-	21-DEC-2021	DPI610E-IS Battery Board Schematic (BASEEFA) Schematic
155M2912	1 to 5	-	02-SEP-2021	PCB Fabrication Plots DPI610E-IS Battery Board Fab (BASEEFA)
154M4485	1 to 5	A	7-APR-2022	DPI610E-IS Battery Board BOM (BASEEFA)
155M2917	1 of 1	-	16-DEC-2021	DPI610E-IS Bluetooth Board Schematic (BASEEFA) Schematic
155M2911	1 to 5	-	02-SEP-2021	PCB Fabrication Plots DPI610E-IS Bluetooth Board Fab (BASEEFA)
154M0544	1 to 5	A	7-APR-2022	DPI610E-IS Bluetooth Board BOM (BASEEFA)
154M1055	1 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Top Sheet
154M1055	2 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Keys and RS485 Interface
154M1055	3 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Display Interface
155M2909	1 to 12	-	16-Dec-2022	PCB Fabrication Plots DPI610E-IS Keypad Board Fab (BASEEFA)
154M0543	1 to 7	A	7-Apr-2022	DPI610E-IS Keypad Board BOM (BASEEFA)
154M0545	1 to 4	-	22-DEC-2021	Barometer Board BOM (BASEEFA)
154M4484	1 to 6	-	22-DEC-2021	Internal Sensor BOM (BASEEFA)
154M4402	1 to 11	-	22-DEC-2021	LCD Display Assembly (BASEEFA)
160M1252	1 of 1	A	8-APR-2022	DPI610E-IS Marking Details (BASEEFA)
162M7755	1 of 1	A	8-APR-2022	DPI610E-IS Marking Details UKEX (BASEEFA)

The above drawings are common to IECEx BAS 21.0005X and BAS21UKEX0638X.

20 Certificate History

Certificate No.	Date	Comments
SGS21ATEX0009X	19 April 2022	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0: 2018 and EN 60079-11: 2012 is documented in IECEx ExTR GB/BAS/ExTR21.0008/00 and held with project 20/0491.
SGS21ATEX0009X Issue 1	30 May 2022	To permit minor editorial corrections and corrections to the scheduled drawing list not affecting the original assessment. Report GB/BAS/ExTR21.0008/01. Project 20/0491.
SGS21ATEX0009X Issue 2	10 August 2022	To permit the addition of a modified layout and optional design not adversely impacting the previous assessment. Additionally, minor corrections to certificate description text for consistency across all certification documents. The test and assessment is reported in IECEx ExTR GB/BAS/ExTR22.0137/00 and held with Project No. 22/0434.
For drawings applicable to each issue, see original of that issue.		

UK-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

UK-Type Examination Certificate Number: **BAS21UKEX0638X – Issue 2**

Product: **DPI610E-SPC (Pneumatic) and DPI610E-SHC (Hydraulic) Portable Pressure Calibrator**

Manufacturer: **Druck Limited**

Address: **Fir Tree Lane, Groby, Leicester, LE6 0FH**

This re-issued certificate extends UK-Type Examination Certificate No. **BAS21UKEX0638X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **See Certificate History**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-11: 2012

except in respect of those requirements listed at item 18 of the Schedule.

If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following :

Ex II 1 G Ex ia IIC T4 Ga (-10 °C ≤ Ta ≤ +50 °C)

SGS Baseefa Customer Reference No. **0312**

Project File No. **22/0434**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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CH65 3EN



R S Sinclair
R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa
Limited

13 Schedule

14 Certificate Number BAS21UKEX0638X – Issue 2

15 Description of Product

The DPI610E is a portable pressure calibrator with commercial and hazardous area variants. The devices considered for hazardous areas are pressure calibrators for pneumatic and hydraulic processes. The different process mediums are identified in the part numbers as DPI610E-SPC (pneumatic) or DPI610E-SHC (hydraulic).

The pressure range covered by each model are -1 bar to 35 bar for the DPI610E-SPC and 0 bar to 1000 bar for the DPI610E-SHC model.

The electronics is housed within a PC/ABS enclosure with an overmould to help protect the equipment enclosure from damage. A glass touchscreen display is provided for display of data and parameter control. The enclosure is provided with an integral handle for transportation.

The equipment is provided with a pressure port to allow connection to the device under test and a manually operated pressure release port. The DPI610E-SPC has an additional port for a barometric sensor and the DPI610E-SHC has a port for connection of a fluid reservoir.

The DPI610E-SPC has a manually operated pump and a fine adjust for the generation and control of pressure. The DPI610E-SHC has a priming pump to facilitate bleeding of the pressure system and a pressure intensifier to generate the pressure.

The equipment is powered by a rechargeable battery pack that is to be charged only in safe areas. A button activated battery indicator is provided that, when depressed, lights several LED's that give an indication of the battery level. The charging socket rating of either $U_m = 18V$ or $U_m = 30V$ is marked on the equipment.

The USB connector is rated $U_m = 253V$ and is for use only in safe areas.

The RS485 connection may be used in hazardous areas but must only be connected to certified passive accessories. It has the entity parameters:

RS485 Interface Entity Parameter					
Ui	=	No Connection Permitted to Devices with Independent Power Source	Uo	=	6.3 V
Ii	=		Io	=	748 mA
Pi	=		Po	=	980 mW
Ci	=	35.2 nF	Co	=	15.4 μF
Li	=	0 μH	Lo	=	17 μH

There are two measurement channels that share a common 0V and have their own separate entity parameters:

Channel 1 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	6.3 V
Ii	=	450 mA	Io	=	49 mA
Pi	=	1 W	Po	=	77 mW
Ci	=	3.00 nF	Co	=	30.0 nF
Li	=	0 μH	Lo	=	7.40 mH

Channel 2 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	25.2V
Ii	=	450 mA	Io	=	141 mA
Pi	=	1 W	Po	=	858 mW
Ci	=	11.22 nF	Co	=	21.80 nF
Li	=	0 μH	Lo	=	834 μH

16 Report Number

See Certificate History

17 Specific Conditions of Use

1. The equipment must be charged in a non-hazardous area with an ambient temperature equivalent to $0\text{ }^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$.
2. The RS485 connection must only be connected to certified passive accessories i.e. power derived from the DPI610E-IS only.
3. The USB connection is only for use in a non-hazardous area.
4. Where an alternative internal pressure sensor is used it must be a certified device and installed in accordance with the terminal parameters and any conditions of safe use applied to them.
5. Where a remote sensor is connected to Channel 2, the remote sensor must be disconnected from all other power sources.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
162M7520	1 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Constraints
162M7520	2 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Measure
162M7520	3 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Loop
162M7520	4 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Display and Comms PSU
162M7520	5 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Coulomb Counter
162M7520	6 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) On Off and Battery Selection
162M7520	7 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) USB Interface Protection
162M7520	8 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Connectors
162M7520	9 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) Battery Charger
162M7520	10 of 10	B	26-JUL-2022	DPI610E-IS PSU Board Schematic (BASEEFA) C and C Table

Number	Sheet	Issue	Date	Description
162M7521	1 to 9	C	29-JUL-2022	PCB Fabrication Plots DPI610E-IS PSU Board Fab (BASEEFA)
162M7581	1 to 14	C	28-JUL-2022	DPI610E-IS PSU Board BOM (BASEEFA)

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
159M8569	1 to 4	A	02-MAY-22	DPI610E Top Level Pneumatic Assy (BASEEFA)
159M9795	1 to 4	A	02-MAY-2022	DPI610E Top Level Hydraulic Assy (BASEEFA)
159M8854	1 to 3	-	24-DEC-21	DPI610E Top Case Assy Pneumatic (BASEEFA)
159M9305	1 to 3	-	24-DEC-21	DPI610E Top Case Assy Hydraulic (BASEEFA)
160M6735	1 of 1	-	23-DEC-21	DPI610E-IS Top Case and Display Assembly (BASEEFA)
162M8982	1 of 1	-	16-DEC-21	Hydraulic Reservoir – IS (BASEEFA)
159M8605	1 of 1	-	23-DEC-21	DPI610E-IS Keypad (BASEEFA)
159M8573	1 of 1	-	23-DEC-21	DPI610E-IS PSU Encapsulation (BASEEFA)
160M7048	1 of 1	-	24-SEP-21	DPI610E-IS BLE Encapsulation (BASEEFA)
159M8529	1 of 1	-	23-DEC-21	DPI610E-IS Battery Indicator (BASEEFA)
154M2797	1 to 2	-	23-DEC-21	DPI610E-IS Battery Pack Assembly (BASEEFA)
159M8072	1 of 1	-	23-DEC-21	DPI610E-IS Ext Barometer Cable (BASEEFA)
159M8276	1 of 1	-	23-DEC-21	DPI610E-IS Sensor Cable Assy (BASEEFA)
154M3024	1 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Top Sheet
154M3024	2 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Power I/F and On/Off Control
154M3024	3 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Microcontroller
154M3024	4 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) RS485 Interface
154M3024	5 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) USB Interface
154M3024	6 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Internal Pressure Sensor I/F
154M3024	7 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Keypad and Bluetooth Interface
154M3024	8 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Analogue Isolators
154M3024	9 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 Voltage Measure
154M3024	10 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 Current Measure
154M3024	11 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 ADC
154M3024	12 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 1 HART
154M3024	13 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Chan 2 OWI Loop Drive

Number	Sheet	Issue	Date	Description
154M3024	14 of 14	-	05-OCT-2021	DPI610E-IS Main Board TQFP SCH (BASEEFA) Analogue Terminals
155M2904	1 of 17	-	7-DEC-21	PCB Fabrication Plots DPI610E-IS Main Board TQFP Fab (BASEEFA)
159M8834	1 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Top Sheet
159M8834	2 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Power I/F and On/Off Control
159M8834	3 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Microcontroller
159M8834	4 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) RS485 Interface
159M8834	5 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) USB Interface
159M8834	6 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Internal Pressure Sensor I/F
159M8834	7 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Keypad and Bluetooth Interface
159M8834	8 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Analogue Isolators
159M8834	9 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 Voltage Measure
159M8834	10 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 Current Measure
159M8834	11 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 ADC
159M8834	12 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 1 HART
159M8834	13 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Chan 2 OWI Loop Drive
159M8834	14 of 14	-	05-OCT-2021	DPI610E-IS Main Board BGA SCH (BASEEFA) Analogue Terminals
159M8837	1 of 17	-	07-DEC-21	PCB Fabrication Plots DPI610E-IS Main Board BGA Fab (BASEEFA)
151M9229	1 to 14	B	28-APR-22	DPI610E-IS Main Board BOM (BASEEFA)
153M8107	1 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Constraints
153M8107	2 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Measure
153M8107	3 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Analogue PSU Loop
153M8107	4 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Display and Comms PSU
153M8107	5 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Coulomb Counter
153M8107	6 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) On Off and Battery Selection
153M8107	7 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) USB Interface Protection
153M8107	8 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Connectors

Number	Sheet	Issue	Date	Description
153M8107	9 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) Battery Charger
153M8107	10 of 10	-	16-DEC-2021	DPI610E-IS PSU Board Schematic (BASEEFA) C and C Table
155M2908	1 to 10	-	07-DEC-2021	PCB Fabrication Plots DPI610E-IS PSU Board Fab (BASEEFA)
154M0541	1 to 14	B	03-MAY-2022	DPI610E-IS PSU Board BOM (BASEEFA)
155M2916	1 of 2	-	21-DEC-2021	DPI610E-IS Battery Board Schematic (BASEEFA) Constraints
155M2916	2 of 2	-	21-DEC-2021	DPI610E-IS Battery Board Schematic (BASEEFA) Schematic
155M2912	1 to 5	-	02-SEP-2021	PCB Fabrication Plots DPI610E-IS Battery Board Fab (BASEEFA)
154M4485	1 to 5	A	7-APR-2022	DPI610E-IS Battery Board BOM (BASEEFA)
155M2917	1 of 1	-	16-DEC-2021	DPI610E-IS Bluetooth Board Schematic (BASEEFA) Schematic
155M2911	1 to 5	-	02-SEP-2021	PCB Fabrication Plots DPI610E-IS Bluetooth Board Fab (BASEEFA)
154M0544	1 to 5	A	7-APR-2022	DPI610E-IS Bluetooth Board BOM (BASEEFA)
154M1055	1 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Top Sheet
154M1055	2 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Keys and RS485 Interface
154M1055	3 of 3	-	02-SEP-2021	DPI610E-IS Keypad Board Schematic (BASEEFA) Display Interface
155M2909	1 to 12	-	16-Dec-2022	PCB Fabrication Plots DPI610E-IS Keypad Board Fab (BASEEFA)
154M0543	1 to 7	A	7-Apr-2022	DPI610E-IS Keypad Board BOM (BASEEFA)
154M0545	1 to 4	-	22-DEC-2021	Barometer Board BOM (BASEEFA)
154M4484	1 to 6	-	22-DEC-2021	Internal Sensor BOM (BASEEFA)
154M4402	1 to 11	-	22-DEC-2021	LCD Display Assembly (BASEEFA)
160M1252	1 of 1	A	8-APR-2022	DPI610E-IS Marking Details (BASEEFA)
162M7755	1 of 1	A	8-APR-2022	DPI610E-IS Marking Details UKEX (BASEEFA)

The above drawings are common to IECEx BAS 21.0005X and SGS21ATEX0009X.

20 Certificate History

Certificate No.	Date	Comments
SGS21ATEX0009X	19 April 2022	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0: 2018 and EN 60079-11: 2012 is documented in IECEx ExTR GB/BAS/ExTR21.0008/00 and held with project 20/0491.
SGS21ATEX0009X Issue 1	30 May 2022	To permit minor editorial corrections and corrections to the scheduled drawing list not affecting the original assessment. Report GB/BAS/ExTR21.0008/01. Project 20/0491.

Certificate Number
BAS21UKEX0638X
Issue 2



Issued 10 August 2022
Page 7 of 7

Certificate No.	Date	Comments
SGS21ATEX0009X Issue 2	10 August 2022	To permit the addition of a modified layout and optional design not adversely impacting the previous assessment. Additionally, minor corrections to certificate description text for consistency across all certification documents. The test and assessment is reported in IECEx ExTR GB/BAS/ExTR22.0137/00 and held with Project No. 22/0434.
For drawings applicable to each issue, see original of that issue.		

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2315607-0
Report Reference E531811-20230419
Date 21-Apr-2023

Issued to: DRUCK LTD
FIR TREE LANE GROBY LEICESTERSHIRE LE6 0FH
United Kingdom

This is to certify that representative samples of PICR7 - Measuring, Testing and Signal-generation Equipment for Use in Zone Classified Hazardous Locations Certified for Canada
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 NO. 60079-0:19, 4th Ed., Issue Date: 2019-02-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2315607-0
Report Reference E531811-20230419
Date 21-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
DPI610E, DPI610E-SHC, DPI610E-SHC	Inspection and Measuring Equipment for HazLoc
DPI610E, DPI610E-SPC, DPI610E-SPC	Inspection and Measuring Equipment for HazLoc


Deborah Jennings-Conner, VP Regulatory Services

UL LLC



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2317898-0
Report Reference E531811-20230419
Date 21-Apr-2023

Issued to: DRUCK LTD
FIR TREE LANE GROBY LEICESTERSHIRE LE6 0FH
United Kingdom

This is to certify that representative samples of PICR - Measuring, Testing and Signal-generation Equipment for Use in Zone Classified Hazardous Locations
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60079-0, Edition: 7, Issue Date: 2019-3-26, Revision Date: 2020-4-15

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2317898-0
Report Reference E531811-20230419
Date 21-Apr-2023

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
DPI610E, DPI610E-SHC, DPI610E-SHC	Inspection and Measuring Equipment for HazLoc
DPI610E, DPI610E-SPC, DPI610E-SPC	Inspection and Measuring Equipment for HazLoc

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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SITiiAS
Worldwide Access

防爆合格证

证 号: GYJ22.1867X

制 造 商 Druck Limited

(地址: Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom.)

产 品 名 称 便携式压力校准器

型 号 规 格 DPI610E-SPC & DPI610E-SHC

防 爆 标 志 Ex ia II C T4 Ga

产 品 标 准 /

图 样 编 号 /

经图样及技术文件的审查和样品检验, 确认上述产品符合下列标准:

GB/T 3836.1-2021, GB/T 3836.4-2021, GB 3836.20-2010

特颁发此证。

本证书有效期: 2022 年 07 月 12 日 至 2027 年 07 月 11 日

备 注

1. 安全使用注意事项见本证书附件。
2. 证书编号后缀“X”表明产品具有安全使用特殊条件, 内容见本证书附件。
3. 本安电气参数见本证书附件。
4. 本证书同时适用于由贝克休斯传感与检测(常州)有限公司(地址: 江苏省武进高新技术产业开发区西湖路8号津通国际工业园9号厂房)生产的同型号产品。



批 准

上海仪器仪表自控系统检验测试所有限公司
国家级仪器仪表防爆安全监督检验站
颁发日期二〇二二年七月十二日

本证书仅对与认可文件和样品一致的产品有效。

地址: 上海市漕宝路103号
邮编: 200233

网址: www.nepsi.org.cn
Email: info@nepsi.org.cn

电话: +86 21 64368180
传真: +86 21 64844580



SitiAs
Worldwide Access

EXPLOSION PROTECTION CERTIFICATE OF CONFORMITY

Cert No. GYJ22.1867X

Manufacturer

Druck Limited

(Address: Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom.)

Product

Portable Pressure Calibrator

Model

DPI610E-SPC & DPI610E-SHC

Ex marking

Ex ia IIC T4 Ga

Product standard

/

Drawing number

/

The product was found to comply with the following standard(s):

GB/T 3836.1-2021, GB/T 3836.4-2021, GB 3836.20-2010

Valid until: 2027.07.11

Remarks

1. Conditions for safe use are specified in the attachment to this certificate.
2. Symbol "X" placed after the certification number denotes specific conditions of use, which are specified in the attachment to this certificate.
3. Intrinsic safety parameters specified in the attachment to this certificate.
4. This certificate also covers the same product manufactured by Baker Hughes Sensing and Inspection (Changzhou) Co., Ltd. (Address: Building 9, Jintong International Industrial Park, No. 8 Xihu Road, Wujin High-tech Industrial Zone, Changzhou, Jiangsu, China)



Approval

Shanghai Inspection and Testing Institute of
Instruments and Automation Systems Co., Ltd.
National Supervision and Inspection Center for
Explosion Protection and Safety of Instrumentation
Date of issue 2022.07.12

This Certificate is valid for products compatible with the documents and samples approved by NEPSI.

103 Cao Bao Road
Shanghai 200233, China

<http://www.nepsi.org.cn>
Email: info@nepsi.org.cn

Tel: +86 21 64368180
Fax: +86 21 64844580



(GYJ22.1867X)

(Attachment I)

GYJ22.1867X 防爆合格证附件 I

由Druck Limited生产的DPI610E-SPC & DPI610E-SHC型便携式压力校准器（以下简称校准器），经国家级仪器仪表防爆安全监督检验站(NEPSI)检验，符合下列国家防爆标准的要求：

GB/T 3836.1 - 2021 爆炸性环境 第1部分：设备 通用要求

GB/T 3836.4 - 2021 爆炸性环境 第4部分：由本质安全型“i”保护的设备

GB3836.20 - 2010 爆炸性环境 第20部分：设备保护级别（EPL）为Ga级的设备

产品防爆标志为Ex ia II C T4 Ga，防爆合格证号为GYJ22.1867X。

本证书覆盖的另一制造商为贝克休斯传感与检测（常州）有限公司

一、产品安全使用特殊条件

防爆合格证号后缀“X”代表产品具有安全使用特殊条件，具体内容如下：

1. 产品使用环境温度范围：-10℃～+50℃。
2. 产品必须在环境温度范围为 0℃～+45℃的非危险场所进行充电，充电接口最高电压（Um）：18V DC 或 30V DC。
3. 必须在非危险场所使用校准器USB接口，最高电压（Um）：250V。
4. RS485接口仅可与经过认证的无源的配件相连接，即DPI610E-IS。
5. 如果需要更换内部压力传感器，该压力传感器必须为经过认证的产品，且安装须符合端子参数及传感器的安全使用注意事项。
6. 如果Channel2连接远程传感器，则该远程传感器必须与其他电源断开连接。

二、产品使用注意事项

1. 产品本安参数:

RS485接口:				Channel 1端子:			
最高输入电压 Ui(V)	/	最高输出电压 Uo(V)	6.3	最高输入电压 Ui(V)	30	最高输出电压 Uo(V)	6.3
最大输入电流 Ii(mA)	/	最大输出电流 Io(mA)	748	最大输入电流 Ii(mA)	450	最大输出电流 Io(mA)	49
最大输入功率 Pi(W)	/	最大输出功率 Po(mW)	980	最大输入功率 Pi(W)	1	最大输出功率 Po(mW)	77
最大内部等效 电感Li(μH)	0	最大外部等效 电感Lo(μH)	17	最大内部等效电 感Li(μH)	0	最大外部等效 电感Lo(mH)	7.40
最大内部等效 电容Ci(nF)	35.2	最大外部等效 电容Co(μF)	15.4	最大内部等效电 容Ci(nF)	3.0	最大外部等效 电容Co(nF)	30
Channel 2端子:							
最高输入电压 Ui(V)	30	最高输出电压 Uo(V)	25.2				
最大输入电流 Ii(mA)	450	最大输出电流 Io(mA)	141				
最大输入功率 Pi(W)	1	最大输出功率 Po(mW)	858				
最大内部等效 电感Li(μH)	0	最大外部等效 电感Lo(μH)	834				
最大内部等效 电容Ci(nF)	11.22	最大外部等效 电容Co(nF)	21.8				

2. 用户不得自行更换该产品的零部件及元器件，应会同产品制造商共同解决运行中出现的故障，以杜绝损坏现象的发生。
3. 产品的安装、使用和维护应同时遵守产品使用说明书、GB/T 3836.13-2021 “爆炸性环境 第13部分：设备的修理、检修、修复和改造”、GB/T3836.15-2017 “爆炸性环境 第15部分：电气装置的设计、选型和安装”、GB/T3836.16-2017 “爆炸性环境 第16部分：电气装置的检查和维护”及GB50257-2014"电气装置安装工程爆炸和火灾危险环境 电气装置施工及验收规范"的有关规定。

三、制造厂责任

1. 制造厂必须将上述产品安全使用特殊条件及使用注意事项纳入该产品使用说明书。

2. 制造厂必须严格按照NEPSI认可的文件资料生产。

3. 产品铭牌中应至少包括下列内容：

a) NEPSI认可标志（见防爆合格证书）

b) 产品防爆标志

c) 防爆合格证号

d) 本质安全参数

e) 使用环境温度范围

上海仪器仪表自控系统检验测试所有限公司

国家级仪器仪表防爆安全监督检验站

二〇二二年七月十二日



No. 2022-067845-01-1(1/2)

안전인증서

Certificate of Safety

Druck Limited

Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom

The following product manufactured by the above company has been authorized for the use of safety certification mark as the product has satisfied the safety and health requirements under Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and paragraph 1 of Article 110 of ENFORCEMENT ORDINANCE OF the same ACT.

Electrical Equipment

Portable Pressure Calibrator

Model(Marking) / Certificate No.

DPI610E-(SPC/SHC) (Ex ia IIC T4 Ga) / 22-KA2BO-0656X

Applied standards

Announcement No. 2021-22 of Ministry of Employment and Labor

Conditions of Certification

1. Manufacturing location(s)

·This certificate is valid only for the specified products produced at 'Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom'.

2. Description of equipment

- The equipment is intrinsic safety type portable pressure calibrator.
- Rated: Charging port $U_m = 18$ V(only for safe areas), USB port $U_m = 253$ V(only for safe areas),
Refer Annex for intrinsic safety parameter for RS 485 port and pressure sensors
- Ambient temperature: $-10\text{ }^{\circ}\text{C} \leq T_a \leq +50\text{ }^{\circ}\text{C}$

3. Scope of certification: This certificate is valid only for the models as above.

4. Special conditions for safe use

- The equipment must be charged only with designated charger(FW8030/15, FRIWOO) in a non-hazardous area with an ambient temperature of $0^{\circ}\text{C} \leq T_{amb} \leq +45^{\circ}\text{C}$.
- The USB connection is only for use in a non-hazardous area.
- Where a remote sensor is connected to Channel 2, the remote sensor must be disconnected from all other power sources.
- See Specific Conditions of Use in the related IECEx certificate (IECEx BAS 21.0005X issue No.2) for the details.

5. Details of certificate changes: None

6. Details of the others

- Refer to instruction manual.
- Manufacturer shall take the responsibility including maintaining quality requirements for the certified products, receiving factory surveillance and informing any changes to the certified products.
- This certificate shall be used with the related IECEx certificate(IECEx BAS 21.0005X issue No.2)

Date of Issue: 2022-11-07

한국산업기술시험원
KOREA TESTING LABORATORY





No. 2022-067845-01-1(2/2)

Conditions of Certification

[Annex] Entity parameter for intrinsic safety

RS485 Interface Entity parameter		
$U_i = -$	$U_o = 6.3 \text{ V}$	- The RS485 connection may be used in hazardous areas but must only be connected to certified passive accessories - For input, no Connection Permitted to Devices with Independent Power Source
$I_i = -$	$I_o = 748 \text{ mA}$	
$P_i = -$	$P_o = 980 \text{ mW}$	
$C_i = 35.2 \text{ nF}$	$C_o = 15.4 \text{ }\mu\text{F}$	
$L_i = 0 \text{ }\mu\text{H}$	$L_o = 17 \text{ }\mu\text{H}$	

Channel 1 Measurement Terminals Entity Parameters		Channel 2 Measurement Terminals Entity Parameters	
$U_i = 30 \text{ V}$	$U_o = 6.3 \text{ V}$	$U_i = 30 \text{ V}$	$U_o = 25.2 \text{ V}$
$I_i = 450 \text{ mA}$	$I_o = 49 \text{ mA}$	$I_i = 450 \text{ mA}$	$I_o = 141 \text{ mA}$
$P_i = 1 \text{ W}$	$P_o = 77 \text{ mW}$	$P_i = 1 \text{ W}$	$P_o = 858 \text{ mW}$
$C_i = 3.00 \text{ nF}$	$C_o = 30.0 \text{ nF}$	$C_i = 11.22 \text{ nF}$	$C_o = 21.80 \text{ nF}$
$L_i = 0 \text{ }\mu\text{H}$	$L_o = 7.40 \text{ mH}$	$L_i = 0 \text{ }\mu\text{H}$	$L_o = 834 \text{ }\mu\text{H}$

※ There are two measurement channels that share a common 0V.

안전인증을 받은 자의 유의사항 [Notification for recipient (certification holder)]

1. 본 인증서는 기재된 사업장에서 생산된 제품으로서 적용된 안전인증기준에 적합한 경우에 한하여 유효합니다. (This certificate is valid only when the product is suitable for the applied safety certification criteria and is manufactured from the manufacturing location that is stipulated on this certificate)
2. 안전인증을 받은 자가 다음 각 호의 어느 하나에 해당하면 인증정지 및 취소의 사유가 됩니다. (If a person who has received safety certification falls under any of the following subclause, this safety certification may be suspended or cancelled)
 - 1) 거짓이나 그 밖의 부정한 방법으로 안전인증을 받은 경우 (In case of being certified in false or other improper ways)
 - 2) 안전인증을 받은 안전인증대상 기계기구등의 안전에 관한 성능 등이 안전인증기준에 맞지 아니하게 된 경우 (In the case that the properties of the product for which safety certification has been received are not suitable for the safety certification criteria)
 - 3) 정당한 사유 없이 확인심사를 거부, 기피 또는 방해하는 경우 (In case of refusing, avoiding or disturbing regular surveillance audit without a justifiable reason)
3. 다음과 같은 사유가 발생할 경우에는 안전인증기관에 안전인증 변경 신청을 하여 안전인증서를 재교부 받아야 합니다. (In the case of the following subclauses, the revision of the safety certification shall be applied to the safety certification body and the safety certificate shall be reissued)
 - 1) 인증서의 분실 또는 훼손 (Losses or damages to this certificate)
 - 2) 제조자, 주소, 인증조건 등 인증서 기재사항의 변경 (Changes of stated items in the certificate such as manufacturer's name, manufacturer's address, certification conditions, etc)
4. 안전인증을 받은 자는 다음 사항을 이행해야 합니다. (The recipient of safety certificate (certification holder) shall comply with the following subclauses)
 - 1) 안전인증표시 등 인증요건의 유지관리 (Maintenance control of the certification requirements such as a safety certification mark)
 - 2) 안전인증을 받기 이전 또는 정지, 취소된 이후 생산된 제품에 안전인증표시를 하면 법에 의거 처벌을 받게 됩니다. (It will be punished by the ACT if the safety certification mark is used before issue of the safety certification or after suspension or cancellation of the safety certification)
5. 안전인증을 받은 자는 산업안전보건법 제84조제4항 및 동법 시행규칙 제111조에 따라 정기적인 확인심사를 받아야 합니다. (The recipient of the safety certification (certification holder) shall receive a regular surveillance audit under Paragraph 4 of Article 84 of OCCUPATIONAL SAFETY AND HEALTH ACT and Article 111 of ENFORCEMENT ORDINANCE in the same ACT)

연락처(Contact information) : 서울 사무소(Seoul office) Tel +82-2-860-1540, Fax +82-2-860-1549
E-mail: dkim@ktl.re.kr, Homepage: www.ktl.re.kr

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Government of India
Ministry of Commerce & Industry
Petroleum & Explosives Safety Organisation (PESO)
5th Floor, A-Block, CGO Complex, Seminary Hills,
Nagpur - 440006

E-mail : explosives@explosives.gov.in
Phone/Fax No : **0712 -2510248, Fax-2510577**

Approval No : A/P/HQ/TN/104/6213 (P541829)

Dated : 18/07/2022

To,

M/s. Druck Limited,
Fir Tree Lane, Groby, Leicestershire, Groby
LE6 0FH Dipak.Chavan@bakerhughes.com
UK

Sub : Approval of Intrinsically Safe Type Electrical Equipment. under Petroleum Rules 2002- Regarding.

Sir(s),

Please refer to your letter No. **OIN1094331** dated **30/06/2022** on the subject.

The following Ex electrical equipment(s) manufactured by you according to **IEC 60079-0 : 2017, IEC 60079-11 : 2011**, standards and covered under **SGS Baseefa Ltd** Test reports mentioned below is/are approved for use in **Zone 1** of Gas **IIC** hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	DPI610E-SPC (Pneumatic) Portable Pressure Calibrator	Ex ia IIC T4 Ga	P541829/1	SGS Baseefa Ltd	IECEX BAS 21.0005X Issue No. 1	31/05/2022	As per test report
2	DPI610E-SHC (Hydraulic) Portable Pressure Calibrator	Ex ia IIC T4 Ga	P541829/2	SGS Baseefa Ltd	IECEX BAS 21.0005X Issue No. 1	31/05/2022	As per test report

This Approval is granted subject to observance of the following conditions:-

- 1) The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the SGS Baseefa Ltd Test Reports referred to above.
- 2) The equipment shall be used only with approved type of accessories and associated apparatus.
- 3) Each equipment shall be marked either by raised lettering cast integrally or by plate attached permanently to the main structure to indicate conspicuously:-
 - (a) Name of the manufacturer
 - (b) Name and number by which the equipment is identified.
 - (c) Number & date of the test report of the SGS Baseefa Ltd applicable to the equipment.
 - (d) Equipment reference number of this letter by which use of apparatus is approved.
 - (e) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the SGS Baseefa Ltd Test report and is identical with the one tested and certified at SGS Baseefa Ltd shall be

furnished with each equipment.

5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by SGS Baseefa Ltd in their test reports and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its Flame Proof characteristics.

6) The After sales service and maintenance of subject equipment shall be looked after by your representative GE Oil & Gas India Private Limited, Smart Works Co-working, 10th Floor, Olympia National Tower, A3, A4, Block-3, Guindy Estate,

Conditions of the Approval:-

The approval for above equipment is subject to validity of IECEx Quality Assessment Report No. GB/BAS/QAR06.0059.

This approval also covers the permissible variations as approved under the SGS Baseefa Ltd test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval is violated or not complied with. The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users/your customers of the subject equipment may please be collected and furnished to this office for verification and record on annual basis.

The Approval is Valid upto **31/12/2026**

Yours faithfully,

(A.B. Tamgadge)
Dy. Chief Controller of Explosives
For Chief Controller of Explosives
Nagpur

Copy to :

1. Jt. Chief Controller of Explosives, South Circle Office, CHENNAI

2. GE Oil & Gas India Private Limited, Smart Works Co-working, 10th Floor, Olympia National Tower, A3, A4, Block-3, Guindy Estate,

for Chief Controller of Explosives
Nagpur

(For more information regarding status, fees and other details please visit our website <http://peso.gov.in>)

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شهادة مطابقة CERTIFICATE OF CONFORMITY

Certificate Number:	24-09-123042/E24-09-127517/NB0010	رقم الشهادة:
Registration Date:	05/09/2024	تاريخ التسجيل:
Valid Until:	04/09/2027	صالحة لغاية:
Issued To:	Baker Hughes Energy FZE P.O. Box 17850 ,Jebel Ali MO0531 Dubai ,United Arab Emirates	أصدرت إلى :
Sector:	Electrical	قطاع: كهرباء
Product Category:	ECAS-Ex	تصنيف المنتج: الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار
Product Sub-Category:	ECAS-Ex	التصنيف الفرعي للمنتج: الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار

Please check Schedule of certification for all product details يرجى التحقق من بيان التسجيل المرفق لجميع تفاصيل المنتجات



Solutions

جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة

Notified body by Ministry of Industry and Advanced Technology



Products are registered under the Emirates
Conformity Assessment Scheme (ECAS) based on
compliance to the Approved Standards



المنتجات مسجلة في نظام تقويم المطابقة الإماراتي (إيكاس)
بناء على مطابقتها للمواصفات المعتمدة

This is an electronic certificate and does not require stamp and
signature. Certificate will be invalid in case of any modification

هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير
في هذه الشهادة يلغيها.



بيان التسجيل
SCHEDULE OF CERTIFICATION
Ministry of Industry and Advanced Technology

Company Name: Baker Hughes Energy FZE اسم الشركة:
Product Category: ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للانفجار تصنيف المنتج:
Certificate No.: 24-09-123042/E24-09-127517/NB0010 رقم التسجيل:
Registration Date: 05/09/2024 تاريخ التسجيل:
Valid Until: 04/09/2027 صالح لغاية:

Sr.No.	الاسم التجاري Brand Name	رقم الموديل Model Number	تفاصيل المنتج Product Details	تصنيف النجوم Star Rating	الأبعاد/الحجم Dimension/ Size	التقارير Reports	المواصفات المطبقة Applicable Standards	بلد المنشأ Country Of Origin
1	Druck	DPI610E-SPC	Portable Pressure Calibrator (Pneumatic) Intrinsically Safe Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)	N/A	350 x 150 x 180 mm (13.8 x 5.9 x 7.1 in)	IECEx BAS 21.0005X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



بيان التسجيل
SCHEDULE OF CERTIFICATION
Ministry of Industry and Advanced Technology

2	Druck	DPI610E-SHC	Portable Pressure Calibrator (Hydraulic) Intrinsically Safe Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)	N/A	400 x 150 x 190 mm (15.7 x 5.9 x 7.5 in)	IECEX BAS 21.0005X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
3	DRUCK	DPI620G-IS-FFPB	Multifunction Calibrator with Fieldbus, Profibus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.



بيان التسجيل
SCHEDULE OF CERTIFICATION
Ministry of Industry and Advanced Technology

4	DRUCK	DPI620G-IS-FF	Multifunction Calibrator with Fieldbus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
5	DRUCK	DPI620G-IS-PB	Multifunction Calibrator with Profibus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification



هذه الشهادة صدرت إلكترونياً ولا تحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.

بيان التسجيل
SCHEDULE OF CERTIFICATION
Ministry of Industry and Advanced Technology

6	DRUCK	DPI620G-IS	Multifunction Calibrator with HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
7	DRUCK	DPI620G-IS-L	Multifunction Calibrator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
8	DRUCK	DPI620G-IS-CHFP	Fieldbus, Profibus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



جهة معينة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
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بيان التسجيل SCHEDULE OF CERTIFICATION

Ministry of Industry and Advanced Technology

9	DRUCK	DPI620G-IS-CHF	Fieldbus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
10	DRUCK	DPI620G-IS-CHP	Profibus and HART Communicator Intrinsically Safe Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
11	DRUCK	DPI620G-IS-CH	Intrinsically Safe HART Communicator Ex i" Ratings- Ex ib IIC T4 Gb (-10°C ≤ Ta ≤ +50°C)	N/A	Size (L: W: H) 183 x 114 x 55 mm (7.2 x 4.5 x 2.2 in)	IECEX BAS 16.0010X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



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بيان التسجيل SCHEDULE OF CERTIFICATION

Ministry of Industry and Advanced Technology

12	Druck	PV621-IS	Pneumatic Pressure Station 20 bar (Ex) Intrinsic Safety –“Ex i” Ratings- Ex ia IIC T4 Gb (-10°C ≤ Ta ≤ +40°C)	N/A	450 mm x 280 mm x 235 mm	IECEX BAS 10.0003X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
13	Druck	PV622-IS	"Pneumatic Pressure Station 100 bar (Ex) Intrinsic Safety –“Ex i” Ratings- Ex ia IIC T4 Gb (-10°C ≤ Ta ≤ +40°C)"	N/A	450 mm x 280 mm x 235 mm	IECEX BAS 10.0003X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom
14	Druck	PV623-IS	"Hydraulic Pressure Station 1000 bar (Ex) Intrinsic Safety –“Ex i” Ratings- Ex ia IIC T4 Gb (-10°C ≤ Ta ≤ +40°C)"	N/A	450 mm x 280 mm x 235 mm	IECEX BAS 10.0003X	UAE.S IEC 60079-11, UAE.S IEC 60079-0	United Kingdom



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بيان التسجيل
SCHEDULE OF CERTIFICATION
Ministry of Industry and Advanced Technology

Nothing Follows



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كشط أو تغيير في هذه الشهادة يلغيها.



(Pty) Ltd

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IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE (IMPORT)

Page 1 of 4

Date Issued: **09 Jun 2025**Certificate Validity: **09 Jun 2028**

IA Certificate Validity: In accordance with ARP 0108 and the National Code of Practice, import IA certificates has a validity period of three (3) years from the date of issue. The IA certificate's validity period depends on the validity of the international document that it is based upon, and it is invalid should the international certificate be cancelled or the product quality assurance or notification becomes invalid. Equipment imported under a valid IA certificate and handed over to the end user, the IA Certificate validity falls away and the Ex equipment remains compliant with the relevant standards for its lifetime, provided the equipment is maintained in its original certified configuration. No modifications are allowed. Imported apparatus not sold by the IA certificate expiry date is deemed to not be covered by this IA Certificate and this IA Certificate shall undergo a renewal process. Renewal of this IA certificate is the responsibility of the IA Certificate Holder. The IA Certificate Holder must provide and maintain records to the end-user, of date of sale for traceability purposes.

Certificate Number:

S-XPL/22.0750 XIssue Number: **1**

Equipment:

Portable Pressure Calibrator

Model / Type:

DPI610E-SPC (Pneumatic) and DPI610E-SHC (Hydraulic)

IA Certificate Holder:

Druck Limited

IA Certificate Holder Location:

Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom

Manufacturer:

Druck Limited

Manufacturer Location:

Fir Tree Lane, Groby, Leicestershire, LE6 0FH, United Kingdom

Serial No:

All serial numbers, imported between issued- and validity date and all serial numbers covered by either valid QAN or QAR.

Identified by Inspection Authority Number

S-XPL/22.0750 X

And as described in the Explolabs file number **XPL/22797/22.0750 Issue 1** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of the South African National Standards.

SANS 60079-0: 2019 Ed 6

Explosive atmospheres Part 0: Equipment — General requirements

IEC 60079-0: 2017 Ed 7**SANS 60079-11: 2012 Ed 4**

Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"

IEC 60079-11: 2011 Ed 6

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
Very high	Ga Group II	Two independent means of protection or safe even when two faults occur independently of each other	Equipment remains functioning in zones 0, 1 and 2	T4 (135°C)

DOCUMENT No: XPL0213 | RELEASE DATE: 11/03/2025 | REV: 9

This document is an Explolabs Controlled Document – Responsibility falls on personnel to ensure correct revision is applied as noted in the electronic system.

1. GENERAL

The marking of the Portable Pressure Calibrator shall include the following:

Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)

The DPI610E is a portable pressure calibrator with commercial and hazardous area variants. The devices considered for hazardous areas are pressure calibrators for pneumatic and hydraulic processes. The different process mediums are identified in the part numbers as DPI610ESPC (pneumatic) or DPI610E-SHC (hydraulic).

The pressure range covered by each model are -1 bar to 35 bar for the DPI610E-SPC and 0 bar to 1000 bar for the DPI610E-SHC model.

The electronics is housed within a PC/ABS enclosure with an overmould to help protect the equipment enclosure from damage. A glass touchscreen display is provided for display of data and parameter control. The enclosure is provided with an integral handle for transportation.

The equipment is provided with a pressure port to allow connection to the device under test and a manually operated pressure release port.

The DPI610E-SPC has an additional port for a barometric sensor and the DPI610E-SHC has a port for connection of a fluid reservoir.

The DPI610E-SPC has a manually operated pump and a fine adjust for the generation and control of pressure. The DPI610E-SHC has a priming pump to facilitate bleeding of the pressure system and a pressure intensifier to generate the pressure.

The equipment is powered by a rechargeable battery pack that is to be charged only in safe areas. A button activated battery indicator is provided that, when depressed, lights several LED's that give an indication of the battery level. The charging socket rating of either $U_m = 18V$ or $U_m = 30V$ is marked on the equipment.

The USB connector is rated $U_m = 253V$ and is for use only in safe areas.

The RS485 connection may be used in hazardous areas but must only be connected to certified passive accessories. It has the entity parameters:

RS485 Interface Entity Parameter					
Ui	=	No Connection Permitted to Devices with Independent Power Source	Uo	=	6.3 V
Ii	=		Io	=	748 mA
Pi	=		Po	=	980 mW
Ci	=		Co	=	15.4 µF
Li	=		Lo	=	17 µH
		35.2 nF			
		0 µH			

There are two measurement channels that share a common 0V and have their own separate entity parameters:

Channel 1 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	6.3 V
Ii	=	450 mA	Io	=	49 mA
Pi	=	1 W	Po	=	77 mW
Ci	=	3.00 nF	Co	=	30.0 nF
Li	=	0 µH	Lo	=	7.40 mH

Channel 2 Measurement Terminals Entity Parameters					
Ui	=	30 V	Uo	=	25.2 V
Ii	=	450 mA	Io	=	141 mA
Pi	=	1 W	Po	=	858 mW
Ci	=	11.22 nF	Co	=	21.80 nF
Li	=	0 µH	Lo	=	834 µH

Based on the following documentation: IECEx BAS 21.0005X Issue No.: 2

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2. INSTALLATION INSTRUCTIONS

It is the IA Certificate Holder's responsibility to supply OEM installation instructions with each unit offered for sale as required by IEC/SANS 60079-0, clause 30.

The equipment shall be installed, operated, and maintained in accordance with the manufacturer's instructions and the applicable South African standards and regulations.

3. SPECIAL CONDITIONS FOR SAFE USE (denoted by "X" after certificate number)

- i. The equipment must be charged in a non-hazardous area with an ambient temperature of $0^{\circ}\text{C} \leq T_{\text{amb}} \leq +45^{\circ}\text{C}$.
- ii. The RS485 connection must only be connected to certified passive accessories i.e. power derived from the DPI610E-IS only.
- iii. The USB connection is only for use in a non-hazardous area.
- iv. Where an alternative internal pressure sensor is used it must be a certified device and installed in accordance with the terminal parameters and any conditions of safe use applied to them.
- v. Where a remote sensor is connected to Channel 2, the remote sensor must be disconnected from all other power sources.

4. CONDITIONS OF CERTIFICATION

This approval is granted based on the submitted documentation.

Any modifications or alterations to the equipment will invalidate this IA Certificate.

The Certificate Holder is responsible for maintaining accurate records of the equipment and this IA Certificate.

All production units must be covered by either a QAN (Quality Assurance Notification) or QAR (Quality Assurance Report).

Renewal: This IA certificate may be renewed under a valid Quality Assurance Notification (QAN) or Quality Assurance Report (QAR). Imported apparatus not sold by the IA certificate expiry date must undergo this renewal process. This condition remains the responsibility of the IA Certificate Holder. Renewal of this IA certificate is the responsibility of the IA Certificate Holder.

Renewal involves a document review, including:

- Verification of the latest ATEX/IECEx certificate.
- Confirmation of a valid QAN/QAR.

Certificate holders are responsible for submitting these documents.

5. MARKING

The equipment shall bear the manufacturer's original marking plate containing all relevant Ex-

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certification details (applicable under the ATEX Directive). The following (or similar) information shall be clearly and permanently marked on all units:

IA Certificate Holder : Druck Limited
Ex Rating : Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)
IA Certificate No : S-XPL/22.0750 X

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- ii) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- iii) Any conditions mentioned in the above report;
- iv) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- v) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- vi) A revision certificate replaces all previous versions of the certificate.
- vii) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- viii) If and when your QAN (Quality Assurance Notification) or QAR (Quality Assurance Report) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted, the existing IA Certification will then be cancelled. It is thus the Certificate Holder's responsibility to always submit the updated and valid QAN/QAR certificate(s) to Explolabs (Pty) Ltd

Reviewed by:



CC Lourens

Technical Specialist

EXPLOLABS EXPLOSION PREVENTION SERVICES

This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

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