



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx SGS 25.0031X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2026-01-22

Applicant: **Druck Limited**
Fir Tree Lane
Groby
Leicester
LE6 0FH
United Kingdom

Equipment: **UPS4E-IS Loop calibrator**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4 Ga (-10°C ≤ Ta ≤ +50°C)**

Approved for issue on behalf of the IECEx
Certification Body:

D Brearley

Position:

Lead Certification Engineer

Signature:
(for printed version)

Date:
(for printed version)

22/1/2026

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SGS United Kingdom Ltd
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **Druck Limited**
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Groby
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Manufacturing
locations: **Druck Limited**
Fir Tree Lane
Groby
Leicester
LE6 0FH
United Kingdom

**Baker Hughes Sensing & Inspection
(Changzhou) Co., Ltd.**
Building 9A, Jintong International
Industrial Park
No 8 Xihu Road
Wujin High-Tech Industrial Zone
Changzhou, Jiangsu
Changzhou 213164
China

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/SGS/ExTR25.0113/00](#)

Quality Assessment Reports:

[GB/BAS/QAR06.0059/13](#)

[GB/BAS/QAR07.0044/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The UPS4E is an electrical loop calibrator used for loop testing/powering process control mA loops and mA devices.

The equipment is made in a rectangular housing made of RTP 2599 X 133889 Polycarbonate/ABS Alloy static dissipative plastic, consisting of a base and a front panel. The front panel contains a display, keyboard (4 way directional button), control and power buttons. The three user terminals at the top of the apparatus are used for the different measurement functions.

The display assembly consists of a painted glass cover, a custom segment display, backlight and the electrical flexi PCB for display coming out of it. The electronics comprises a 3 board PCB stack connected with flexi PCB. The device is powered from 4-off AA alkaline (ZnMoO₂) cells which are replaceable by disassembling the battery cover.

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

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

Analogue Channel 1 (User Terminal CON2 w.r.t. CON1):

Channel 1 Measurement Terminals Entity Parameters

$U_i = 30V$	$U_o = 6.51V$
$I_i = 450mA$	$I_o = 12mA$
$P_i = 700mW$	$P_o = 0.021W$
$C_i = 0.583nF$	$C_o = 32.4nF$
$L_i = 0$	$L_o = 123mH$

Analogue Channel 2 (Loop Supply Terminal CON3 w.r.t. CON1):

Channel 2 Measurement Terminals Entity Parameters

$U_i = 30V$	$U_o = 25.2V$
$I_i = 450mA$	$I_o = 154.3mA$
$P_i = 1W$	$P_o = 0.98W$
$C_i = 0$	$C_o = 33nF$
$L_i = 0$	$L_o = 0.74mH$

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Do not open in an explosive atmosphere. The batteries must only be replaced in a non-hazardous area.
2. Only approved battery types may be used with the equipment. The permitted (AA) primary cell types are Varta Industrial Pro AA and Duracell Plus AA.
3. The USB connection is only for use in a non-hazardous area.
4. Where a remote sensor is connected to Loop Supply Terminal, the remote sensor must be disconnected from all other power sources.