

Flora connection evaluation system

Minimize risk by ensuring correct torque on every connection

Applications

- Monitor premium and API tubular connection makeups
- For HP/HT wells where connection integrity is critical
- For monitoring sensitive CRA connections
- Accurate and precise torque measurements to avoid faulty connections

Features and Benefits

- Monitors levels of torque during makeup
 - Prevents over torquing and damage to connections
 - Protects connections and reduces the chance of rejections, failures, and resultant downtime
- Provides real-time data transmission, easily identifies anomalies for immediate graph viewing by the customer onshore, regardless of office location
- Automatic shoulder detection
- Automatic SpeedMaster™ valve and dump valve outputs
- Import and export approved job plans
- On-Demand Job Report generation
- CE marked, ATEX, IECEx, AEx Zone 1 Certified

The Baker Hughes Flora™ connection evaluation system (CES) controls and records the makeup of premium and API tubular connections. It monitors torque levels to detect faulty connections and is a key element for accurate connection makeup. Equipped with advanced software services, the torque turn system can prevent under and over torquing, as well as identify torque-turn events during the job.

Safety and handling

Before handling, transporting, or use, review the owner's manual for guidance.

Typical Properties – DAQ (1801-Z1)

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|------------------------------|---|
| Certification | IECEx Zone I |
| Operating Temperature | -40°C to +60°C (-40°F to +140°F) |
| Weight | 15 kg (33 lb) |
| Dimensions | W 430 mm (16.93 in.) x H 417 mm (16.3 in.) x D 165 mm (6.5 in.) |



Typical Properties – HMI (470-Z1)

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|------------------------------|--|
| Certification | IECEX Zone1 |
| Operating Temperature | -40°C to +60°C (-40°F to +140°F) |
| Weight | 15 kg (33 lb) |
| Dimensions | W 385 mm (15.2 in.) x H 260 mm (10.2 in.) x D 116 mm (4.6 in.) |
| Display Size | 12.1 in LCD panel with LED backlight display |
| Resolution | 1024 x 768 |
| Operating System | Windows 10 Enterprise LTSB |

