

Qteq provides Gauge Interface Cards (GIC) to suit each type of downhole digital pressure and temperature gauge. The Type D-G6 GIC delivers power to the D-GP gauge and incorporates a digital signal processor to decode and error-check raw pressure and temperature readings transmitted by the gauge. The GIC also incorporates embedded software to convert the raw data into engineering values, using gauge-specific calibration files, and can generate diagnostic data to aid trouble shooting of gauge performance and telemetry error checking.

Qteq's analogue pressure gauge requires a Zener Barrier or a Type A-15 GIC, which was developed in partnership with a key supplier. Galvanic isolation permits the use of separate earthing points, enabling quick and easy installation of single core conductors.

Features and Benefits

Digital Pressure Gauge D-G6 GIC

- Pressure and temperature data, both raw and engineering values, are available through Modbus registers.
- Diagnostic data available through Modbus registers.
- Compact and robust construction.
- Simple DIN rail mount and easy clip-in electrical connectors with keyways.



Analogue Pressure Gauge A-15 GIC

- One electronic device between gauge and RTU/PLC.
- IECEx Intrinsically Safe certification.
- Removes risk of low voltage faults.
- Reduces system cost and increases system reliability.
- Galvanic isolation.



Specifications

	Type A-15	Type D-G6
Physical Dimensions	99 x 122 x 18 mm	150 x 100 x 40 mm
Mounting	TS35 DIN Rail	TS35 DIN Rail
Input Voltage	24 V DC nominal	12 – 24 V DC nominal
Current	75 mA	90 – 150 mA
Certification	IECEX Ex nA [ia Ga] IIC T4 Gc	N/A
Electromagnetic Compatibility	EN 61326-1	IEC 61326
Data Output	4-20 mA	RS485 Modbus RTU, 4-20mA
No. of Gauges	1x Analogue Gauge	Max. 10x Digital Gauges