

QPress Pressure Transducer - QUP-HP-OEM 1800 Series

Compact OEM pressure transducer, 0–600 bar, 4–20 mA, IP65

Certifications

Quality Lab Solutions data sheet R4



Applications

- Industrial control equipment
- Data acquisition systems
- Construction machinery

Special Features

- Compact OEM design
- Glass-fused silicon sensor element
- 4–20 mA, 2-wire current loop; 9–36 V DC
- Accuracy ± 0.5 % FS; long-term stability ± 0.2 % FS/year
- Pressure ranges 0–10 bar to 0–600 bar (gauge)
- Overpressure 200 % FS
- IP65 protection
- Vibration endurance 20 g (25 Hz–2 kHz)
- Process connections: G1/2; M14×1.5



QUP-HP-OEM 1800

Description

Compact OEM pressure transducer using a glass-fused silicon sensing element for robust piezoresistive measurement of liquids and gases. The on-board digital conditioning converts the sensor mV signal to a standard 4–20 mA two-wire output, ensuring stable operation from 9–36 V DC. The device covers gauge ranges from 0–10 bar up to 0–600 bar with ± 0.5 % FS accuracy and ± 0.2 % FS/year long-term stability. It withstands 200 % FS overpressure, offers IP65 ingress protection and 20 g vibration endurance, and is supplied with G1/2 or M14×1.5 process threads for straightforward installation.

Specifications

TECHNICAL SPECIFICATIONS	
Pressure range	0–10 bar to 0–600 bar (gauge)
Pressure reference	Gauge
Accuracy	±0.5 % FS
Ambient temp.	–20 to 125 °C
Medium temp.	–20 to 125 °C
Storage temp.	–40 to 125 °C
Insulation resistance	≥ 100 MΩ (250 V DC)
Vibration resistance	20 g (25 Hz–2 kHz)
Size of hexagon	22 mm
Approvals/Certification	CE, UKCA, RoHS
Electrical Outputs	4–20 mA
Process connections	G1/2; M14×1.5
Overpressure/Burst Pressure	200 % FS
Power Supply	9–36 V DC

Measuring Range

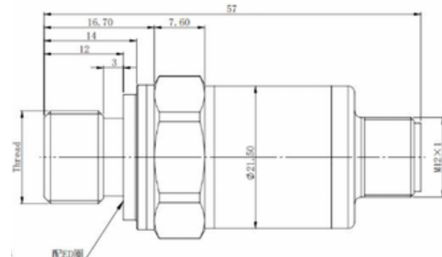
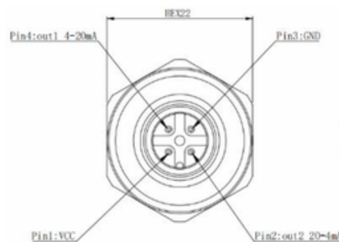
Range Code	Measuring Range	Pressure Reference	Overpressure
01	0-10bar	GP	200%FS
02	0-600bar	GP	200%FS

Output Signals

Code	Output	Power Supply
I4	4-20 mA (2-wire)	9-36 VDC

Process Connections/Drawings

Code	Thread / Port
P1	G1/2
P2	M14x1.5



Order Guide

Segment	Your Code	Options
Product family	QUP-HP-OEM 1800	QUP-HP-OEM 1800
Range	01	See "Measuring range & accuracy" (Range code)
Pressure Reference	GP	GP = Gauge
Output	I4	See Output table
Process Connection	P1 / P2	See Process Connections

Ordering Example 0-10 bar gauge, 4-20 mA (9-36 VDC), G1/2, M12 Connector standard

Family	Range	Ref	Output	Process
QUP-HP-OEM 1800	01	GP	I4	P1

Notes

Ensure media compatibility with wetted parts. Torque depends on gasket, mating material and lubrication.