

QPress Pressure Transducer - QOM-MINE 3200 Series

Compact 12 V, 0.5–4.5 V OEM pressure transducer for coal-mine hydraulics.

Certifications

Quality Lab Solutions data sheet R4



Applications

- Coal mine hydraulic support
- Industrial control equipment
- Data acquisition systems

Special Features

- Glass-fused silicon sensing element
- 0.5–4.5 V ratiometric output
- 12 V DC supply
- Ranges: 0–60 bar to 0–600 bar
- Gauge reference
- Overpressure 200 % FS
- IP65 ingress protection
- Vibration resistance 20 g (25 Hz–2 kHz)
- Long-term stability ± 0.2 % FS/year
- Compact, lightweight construction



QOM-MINE 3200

Description

OEM pressure transducer with a glass-fused silicon sensing element and on-board digital conditioning. Provides a ratiometric 0.5–4.5 V output from a 12 V DC supply for direct interface with controllers. Suitable for hydraulic systems used in mining and industrial control, with gauge reference ranges from 0–60 bar up to 0–600 bar. The design offers 200 % FS overpressure capability, IP65 ingress protection, resistance to vibration to 20 g (25 Hz–2 kHz), and long-term stability of ± 0.2 % FS/year.

Specifications

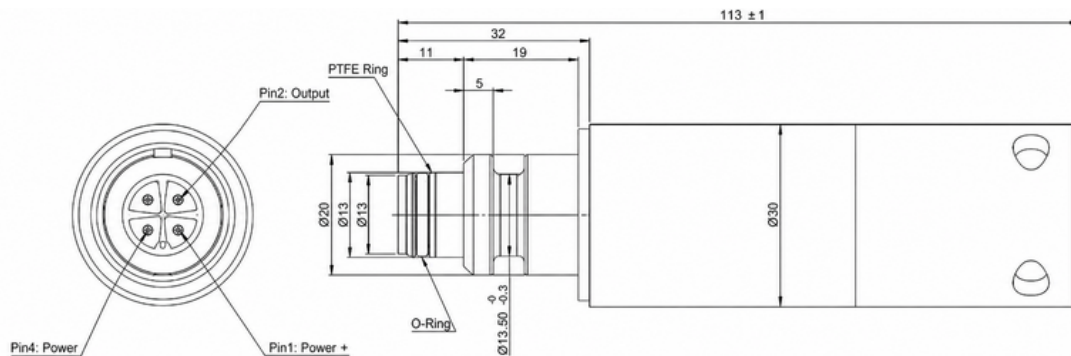
TECHNICAL SPECIFICATIONS	
Pressure range	0–60 bar; 0–600 bar
Pressure reference	Gauge
Accuracy	±0.5 % FS
Ambient temp.	-20 to 85 °C
Medium temp.	-20 to 85 °C
Storage temp.	-40 to 125 °C
Insulation resistance	≥ 100 MΩ (250 VDC)
Vibration resistance	20 g (25 Hz–2 kHz)
Protection	IP65
Approvals/Certification	CE, UKCA, RoHS
Electrical Outputs	0.5–4.5 V
Anti-Vibration	Yes
Overpressure/Burst Pressure	200 % FS
Power Supply	12 V DC

Measuring Range

Range Code	Measuring Range	Pressure Reference	Overpressure
01	0-60 bar	GP	200%FS
02	0-600 bar	GP	200%FS

Output Signals

Code	Output	Power Supply
VN	0.5-4.5 V	12 VDC



Order Guide

Segment	Your Code	Options
Product family	QOM-MINE 3200	QOM-MINE 3200
Range	01	See "Measuring range & accuracy" (Range code)
Pressure Reference	GP	GP = Gauge
Output	VN	See Output Signals

Ordering Example 0-60 bar gauge, 0.5-4.5 V

Family	Range	Ref	Output
QOM-MINE 3200	01	GP	VN

Notes

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