Pressure Transmitter TQG14A

The TQG14A adopts advanced dielectric isolation, temperature compensation, and nonlinear correction technologies. Utilizing the silicon piezoresistive effect, it converts pressure signals into electrical signals, which are then transformed via internal circuitry into a 0~5VDC output. With excellent media compatibility, stable performance, strong reliability, and environmental adaptability, it is well-suited for air, water, and oil pressure monitoring across railway systems and various industrial control scenarios.

Parameters

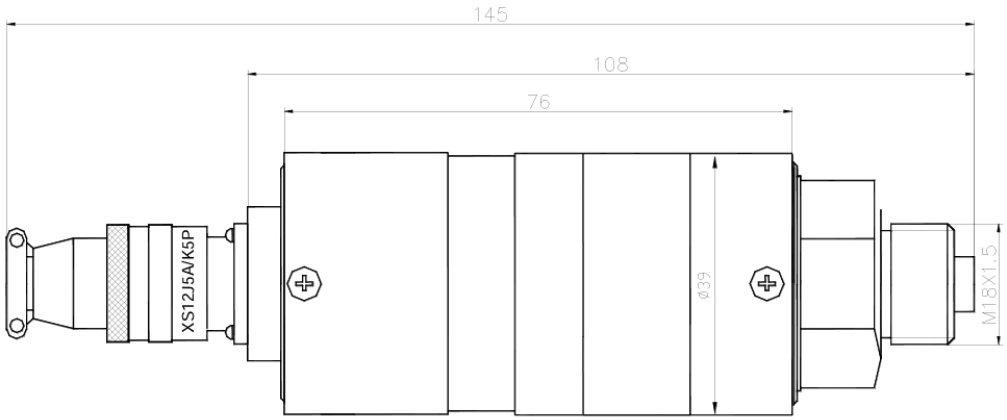
Operating Parameters

- Measurement Range: 0~1000kPa
- Overload Capability: 3000 kPa/1min
- Output Signal: 0~5VDC
- Accuracy: ±0.5%F.S.
- Non-Linearity: <0.2%F.S.
- Supply Voltage: 12~30 VDC
- Current Consumption: ≤15mA
- Operating Temperature: -25°C~+70°C
- Storage Temperature (Low Temp): -40°C
- Load Resistance: ≥2kΩ
- Dielectric Strength: 500Vrms/50Hz/1min between wiring & housing

PIN Configuration

PIN1:	+12~30VDC	PIN3:	Signal Output
PIN2:	NC	PIN4:	GND
		PIN5:	Shielding Layer

Outline & Interface



- Mounting Interface: M18 × 1.5 male thread, 14 mm
- Electrical Connector: XS12J5A/K5P, three-wire configuration