MISENSOR TECH CO., LTD.

Sensors | Switches | Reed Relays (IATF 16949 Certified)

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MEMS Pressure Transmitter (PS06·PS12 Series)

Model: PS06 / PS08 / PS09 / PS11 / PS12

Product Overview

High-reliability piezoresistive MEMS and ceramic pressure transmitters with 0.5·4.5V, 4·20mA, or I2C output for automotive oil, fuel, hydraulic, and HVAC systems.

Key Features

- Piezoresistive MEMS / ceramic capacitive sensing core
- Pressure range: -0.1 to 60 MPa (-1 to 600 bar)
- Output signals: 0.5·4.5V ratiometric, 4·20mA, 0·5V, or I2C
- Operating temperature: -40°C to +125°C (+150°C optional)
- IP67 / IP69K stainless steel or brass housing

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Pressure Range	-0.1 to 60 MPa
Supply Voltage	5.0V ± 0.25V DC or 9·32V DC
Output Signal	0.5·4.5V Ratiometric / 4·20mA
Accuracy	±0.5% to ±1.0% FS
Operating Temp	-40°C to +125°C
Protection Rating	IP67 / IP69K