

MPT Series Pressure Transducers

Up to
600 bar, 10000 psi

The MPT pressure sensors are designed for continuous monitoring of oil, gas, water, hydraulic and other pressure media in mobile equipment, industrial hydraulics, compressors and process control equipment.

Economical price and rugged design allows the MPT transducers to be designed into O.E.M. machinery to give control and condition monitoring information. The compact construction makes it ideal for installing where space is at a premium.

Combined with one of the wide range of Webtec digital readouts both continuous and peak pressures can be measured.

The MPT series utilises thin film techniques along with fully automated production methods to produce a standard of performance previously only associated with high price pressure transducers.



Manufacturers of hydraulic components and test equipment
for the Mobile, Industrial and Agricultural industries



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Features:

- **ACCURATE**
($\pm 0.25\%$ Full Scale)
- **ECONOMICALLY**
priced
- **RUGGED** design
- **OUTPUT OPTIONS:**
4 - 20mA or 0 - 5V
- **STAINLESS**
Steel wetted parts
- **CONNECTOR:**
Male 4 pin M12 x1.0
- **TWO** thread forms
available



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(Issue 1)

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Specification

| Model number | Outputs available | Pressure range (Gauge) | Pressure Connection |
|--------------|-------------------|------------------------|-----------------------------|
| MPT016BB** | 5V, mA | 16 Bar | 1/4" BSPP |
| MPT040BB** | 5V, mA | 40 Bar | 1/4" BSPP |
| MPT100BB** | 5V, mA | 100 Bar | 1/4" BSPP |
| MPT250BB** | 5V, mA | 250 Bar | 1/4" BSPP |
| MPT400BB** | 5V, mA | 400 Bar | 1/4" BSPP |
| MPT600BB** | 5V, mA | 600 Bar | 1/4" BSPP |
| MPT200PU** | 5V, mA | 200 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT600PU** | 5V, mA | 600 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT1K5PU** | 5V, mA | 1500 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT4K0PU** | 5V, mA | 4000 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT6K0PU** | 5V, mA | 6000 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT7K5PU** | 5V, mA | 7500 psi | 7/16" -20UN #4 SAE ORB Male |
| MPT10K0PU** | 5V, mA | 10000 psi | 7/16" -20UN #4 SAE ORB Male |

Replace ** with mA or 5V to give complete model number

Functional specification

| | |
|-------------------------------|--|
| Operating temperature: | Ambient - 5 to 40°C (41 to 104°F) |
| Fluid temperature: | -20 to 100°C (-4 to 212°F) Compensated range |
| Temperature effects: | ±2% Full scale typical |
| Accuracy: | ± 0.25% Full scale |
| Proof pressure: | Minimum 2 times full scale |
| Weight: | 53g (0.1 lbs) |

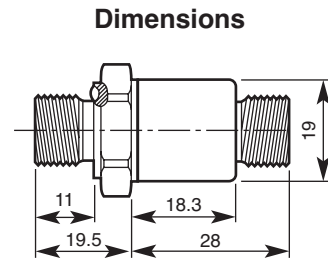
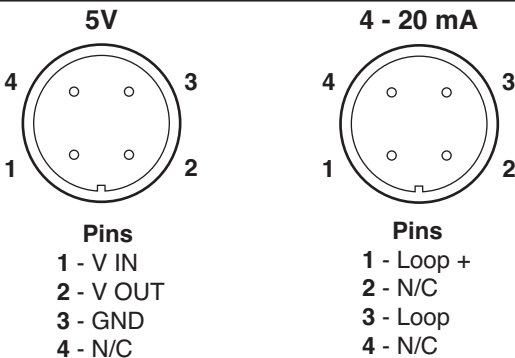
Electrical specification

| | |
|-----------------------------|---|
| Supply voltage (VS): | 10 - 30 VDC all models |
| Current output: | 4- 20 mA, 2 wire loop, max loop resistance = (VS-7.5) x 50 ohms |
| Voltage output: | 0 - 5 VDC, current consumption = 8mA |
| Connection type: | M12 x 1 4 pin |

Construction material

Body: 17-4PH stainless steel (wetted parts)

Connection Details



| | |
|--------------------------------|-----------|
| Connecting cable (5m) | FT9879-05 |
| Extension cable (5m) | FT10229-5 |
| Connector (M12x1 4 pin) | FT9880 |

Accessories

For Panel meters (readouts) see DP 130 bulletin
 For temperature transducers TP bulletin
 For flow meters see CT, CTR or flowhub bulletin

Calibration is included when complete systems (sensors, cable panel meter) is purchased in one order.

For help and advice, please contact Webtec sales office.

