

# MPT Series

## Pressure Transducers

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.

### Specifications

<b>Maximum Pressure:</b>	Up to 600 bar, 10,000 psi
<b>Ambient Temperature Range:</b>	-40 to 125°C, -40 to 257°F
<b>Fluid Temperature Range:</b>	-40 to 125°C, -40 to 257°F
<b>Accuracy:</b>	±0.25% Full scale
<b>Material:</b>	Body materials: 304 Stainless Steel Internal Materials: 17-4PH Stainless Steel Seals: FKM
<b>Weight:</b>	0.053 kg, 0.1 lbs
<b>Mounting:</b>	1/4" BSPP, 7/16" -20UN #4 SAE ORB Male
<b>Electrical</b>	
<b>IP Rating:</b>	IP67
<b>Supply voltage (VS):</b>	10 - 30 VDC all models
<b>Current Output:</b>	4- 20 mA, 2 wire loop, max loop resistance = (VS-8) x 50 ohms
<b>Connector Type:</b>	M12 x 1 4 pin

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### Features

- ACCURATE (± 0.25% Full Scale)
- ECONOMICALLY priced
- RUGGED design
- OUTPUT: 4 - 20mA
- STAINLESS Steel wetted parts
- CONNECTOR: Male 4 pin M12 x1.0
- TWO nominal thread forms available - BSPP & SAE



### Sales Order Code/Configurations

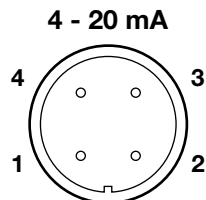
MODEL NUMBER	OUTPUT	PRESSURE RANGE (GAUGE)	PRESSURE CONNECTION
MPT016BBMA	4-20 mA	16 bar	1/4" BSPP
MPT100BBMA	4-20 mA	100 bar	1/4" BSPP
MPT400BBMA	4-20 mA	400 bar	1/4" BSPP
MPT600BBMA	4-20 mA	600 bar	1/4" BSPP
MPT200PUMA	4-20 mA	200 psi	7/16"-20UN #4 SAE ORB Male
MPT1K5PUMA	4-20 mA	1500 psi	7/16"-20UN #4 SAE ORB Male
MPT6K0PUMA	4-20 mA	6000 psi	7/16"-20UN #4 SAE ORB Male
MPT10K0PUMA	4-20 mA	10000 psi	7/16"-20UN #4 SAE ORB Male

Please contact our technical sales team to discuss any special order requirements.

### Additional Specifications

Thermal Error:	1.5% FS/100°C (0.83% FS/100°F)
Proof Pressure:	2 times full scale (3 times full scale for MPT016BBMA and MPT200PUMA)

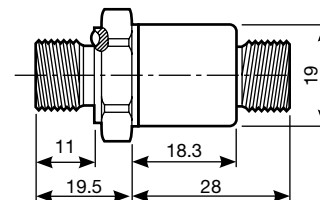
### Connection Details



#### Pins

- 1 - +IN
- 2 - Do not connect
- 3 - 0V
- 4 - PE

### Dimensions (mm)



Connecting cable (5m)	FT10228-05
Extension cable (5m)	FT10229-05
Connector (M12x1 5 pin)	FT9880

### Mounting details

1/4" BSPP tightening torque 30-35Nm

7/16" -20UN #4 SAE ORB Male tightening torque 18-20Nm

Use 22mm Wrench to tighten

### Accessories

For Panel meters (readouts) see APM bulletin

For temperature transducers TP bulletin

For flow meters see CT, CTR or flowhub bulletin