

CT-MPM45 -Pressure Transmitter IP68

Features

- 316L stainless steel isolation diaphragm structure
- High precision, all stainless steel structure
- Micro amplifier, voltage and current signal output
- Diversified forms and structures, easy to install and use
- Wide range, can measure absolute pressure, gauge pressure and sealed gauge pressure
- Vibration and shock resistance

The PCM300Y submersible pressure transmitter uses a diffused silicon pressure sensor as the sensitive element, and the built-in processing circuit converts the sensor's millivolt signal into a standard voltage and current signal output, which can be directly connected to the computer, control instrument, display instrument, etc. It uses the high-stability and high-reliability piezoresistive pressure sensor as well as high-performance dedicated circuit of transmitter. The overall performance is stable and reliable, and can carry out the long-distance signal transmission.



Pressure range [↵]	10kPa~20kPa… 60MPa [↵]
Pressure reference [↵]	Gauge pressure, Absolute pressure, Sealed gauge pressure [↵]
Output [↵]	4 to 20mA (18~36V) [↵]
	4~20mA with display(12~36V) [↵]
Operating temp. [↵]	-20~85℃ [↵]
Media temp. [↵]	-20~85℃ [↵]
Storage temp. [↵]	-40~125℃ [↵]
Zero temp drift [↵]	± 1.5%FS (@ -20℃~85℃) [↵]
Sensitivity temp. drift [↵]	± 1.5%FS (@ -20℃~85℃) [↵]
Overload Pressure [↵]	150%FS [↵]
Vibration resistance [↵]	20g (20~5000Hz) [↵]
Shock resistance [↵]	100g (11ms) [↵]
Accuracy (linearity, repeatability and hysteresis) [↵]	0.5%F.S. [↵]
Insulation [↵]	200MΩ/250VDC [↵]
Response time [↵]	≲1ms (up to 90%FS) [↵]
Long-term Stability [↵]	± 0.2%FS/year [↵]
Protection [↵]	IP68 [↵]
Housing material [↵]	Stainless steel (SS316 for sensor inside) [↵]
Media compatible [↵]	Various media compatible with 316L stainless steel [↵]