

HIGH PRESSURE SENSOR 1/2"

CT-MPM4

- PIEZORESISTIVE SILICON CHIP
- PERFECT LONG TERM STABILITY
- EMC PROTECTION
- POLARITY PROTECTION
- CE CERTIFIED



Performance parameters

Pressure range	-100kPa...0~35kPa...100MPa
Pressure reference	Gauge pressure, Absolute pressure, Sealed gauge pressure
Accuracy	0.5%F.S.
Hysteresis	0.1%F.S.
Repeatability	0.1%F.S.
Temp. drift	35kPa: $\pm 3\%$ F.S.(0°C ~ 60°C) Other ranges: $\pm 1.5\%$ F.S.(-20°C ~ 85°C)
Response time	≤ 1 ms (Up to 90%F.S.)
Overload pressure	(Refer to "Pressure range selection" on page 6)
Service life	$\geq 1 \times 10^6$ pressure cycles
Ambient temp.	-20°C ~ 85°C
Medium temp.	-30°C ~ 105°C
Storage temp.	-40°C ~ 125°C
EMC	Immunity: IEC 61000-6-2, Radiation: IEC 61000-6-3
Insulation resistance	≥ 250 M Ω /500VDC(100M Ω /250VDC)
Vibration resistance	Sine curve: 20g, 25Hz~2kHz; IEC 60068-2-6 Random: 7.5grms, 5Hz~1kHz; IEC 60068-2-64
Shock resistance	Shock: 200g/1ms; IEC 60068-2-27 Free falling: 1m; IEC 60068-2-32
Protection	IP65
Surge	IEC 61000-4-5 3 level
Withstand Voltage	Current output: 500V/AC 1min Voltage output: 250V/AC 1min
Static electricity	IEC 61000-4-2 4 level
Medium compatibility	All kinds of media compatible with SS316L.
Hex nut	HEX27
Ex-proof grade	Intrinsic safety explosion-proof Ex ia II C T6 (only for 4~20mA)
Net weight	150~180g

Output signal and power supply

Code	B1	B3	B2	B7	B12	B6
Output signal	4~20mA	0~5V	1~5V	0~10V	1~10V	0.5~4.5V R/M
Power supply	12~30VDC	12~30VDC	12~30VDC	12~30VDC	12~30VDC	5VDC