

Compact RTD Temperature Sensors



RTDM12

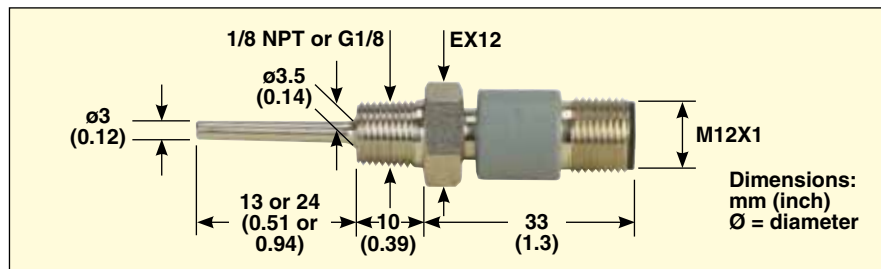


RTDM12-1/8NPT-3MM-13MM-A



RTDM12-1/8NPT-3MM-24MM-A

Both models shown actual size.



- ✓ Extremely Rugged
- ✓ Molded (IP67) 4-Pin Connector with M12 Male Thread
- ✓ Fast Response Time*
- ✓ -50 to 120°C (-58 to 248°F)

This RTD plug sensor is ideal for pressure vessel applications, pressurized containers and applications requiring a temperature sensor with an NPT mounting fitting. The single element design has a 1/8" diameter, 316 stainless steel probe that extends 13 mm (0.51") or 24 mm (0.94") from a 1/8" NPT mounting thread. The M12 connector assures a very reliable connection. Extension cables are offered in different lengths with right or straight angles.

Temperature Range: -50 to 120°C (-58 to 248°F)

Maximum Pressure: 40 bar (580 psi)

Process Connection: 1/8" NPT

Connection: 4-pin male connector with body in molded Nylon and M12X1 metal thread (to DIN-VDE 0627) with degree of protection IP67 (TMax 90°C)

Insulation Resistance: 100 MΩ with 100 Vdc

Response Time*: Less than 5 seconds

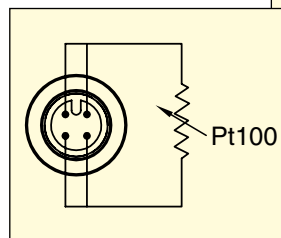
Marking: Each probe is permanently marked with the exact ohmical calibration test value at 0°C, the manufacturing date and a traceability code

Specifications

Sensing Element: RTD PT100Ω @ at 0°C to IEC 751 class A

Construction: Screw in RTD probe for direct immersion, one piece construction

Case Material: AISI 316SS



M12CFM-P24STPC-RFSR-FL-3 cable assembly, shown smaller than actual size.

Standard

To Order	
Model No.	Description
RTDM12-1/8NPT-3MM-13MM-A	Class A PT100 RTD temperature sensor, 3 mm (0.12") diameter, 13 mm (0.51") long, 1/8" NPT
RTDM12-1/8NPT-3MM-24MM-A	Class A PT100 RTD temperature sensor, 3 mm (0.12") diameter, 24 mm (0.94") long, 1/8" NPT

Metric

Model No.	Description
RTDM12-G1/8-3MM-13MM-A	Class A PT100 RTD temperature sensor, 3 mm (0.12") diameter, 13 mm (0.51") long, G1/8" thread
RTDM12-G1/8-3MM-24MM-A	Class A PT100 RTD temperature sensor, 3 mm (0.12") diameter, 24 mm (0.94") long, G1/8" thread

Accessories

Model No.	Description
M12CFM-P24STPC-SFSR-FL-3	3 m (9.8') long, PVC insulated and jacketed, 24 AWG stranded tin plated copper, M12 straight socket connector one end and flying leads the other
M12CFM-T24SSPC-SFSR-FL-20	20 m (65.6') long, FEP insulated and jacketed, 24 AWG stranded silver plated copper, M12 straight socket connector one end and flying leads the other