

210-41342 Series Temperature Sensors

The **210-41342 Temperature Probe** offers accurate temperature-only measurement. Three output options are available: 0-1 VDC, 4-20 mA, and 4 wire RTD. The sensing element is a 1000 Ohm Platinum RTD encased in a stainless steel protective sheath.

The temperature probe should always be installed in a protective radiation shield to ensure accurate data. Use of the probe without a radiation shield may result in large errors. The probe installs easily in the recommended radiation shields listed in the ordering information below.

Connections to the sensor are simplified by the junction box with cable entry gland. All connections are screw-terminal type. Cable sold separately.



	210-41342	210-41342L	210-41342V
Output Type	4-Wire RTD	4-20 mA	0-1 Vdc
Accuracy at 0°C	±0.3°C (±0.1°C optional)	±0.3°C	±0.3°C (Differential Measurement)
Calibrated Range (suffix C)	-50 to +50°C	-50 to +50°C	-50 to +50°C
Calibrated Range (suffix F)	50 to +150°F	50 to +150°F	50 to +150°F
Time Constant	42 seconds in 43502 shield	42 seconds in 43408 shield	42 seconds in 43502 shield
Sensor Type	1000Ω Platinum RTD	1000Ω Platinum RTD	1000Ω Platinum RTD
Power Requirement	-	12 - 30 VDC, 20mA	8 - 24 VDC, 5mA
Recommended Cable	2 pair shielded	2 conductor shielded	2 pair shielded
Recommended Gauge	22 AWG	22 AWG	22 AWG



This product has been tested and complies with European CE requirements for the EMC Directive. Please note that shielded cable must be used.

Ordering Information

210-41342	4-Wire Platinum RTD Temp Probe with J-Box
210-41342LC	Temperature Probe, °C, 4-20 mA output
210-41342LF	Temperature Probe, °F, 4-20 mA output
210-41342VC	Temperature Probe, °C, 0-1 Vdc output
210-41342VF	Temperature Probe, °F, 0-1 Vdc output
330-18723	Cable, 2 pair shielded, 22 AWG (order per foot)
330-18641	Cable, 2 conductor shielded, 22 AWG (order per foot)
380-43502	Aspirated Solar Radiation Shield
380-41003P-24	Solar Radiation Shield (sensor diameter 24 mm)