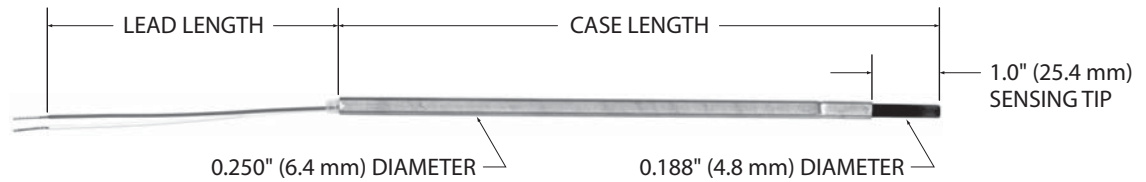


Elements & Probes

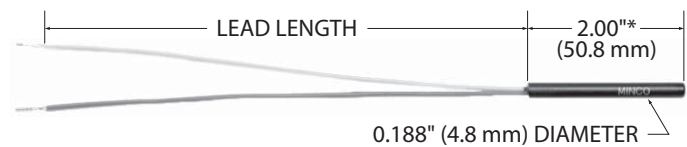


Overview

These models feature fast-responding RTD or thermistor elements in aluminum cases (except stainless steel on S482PW) with PTFE insulated leadwires. They can be assembled into probes or used separately as all-purpose sensors.

Probes consist of elements assembled into stainless steel extension tubes. They are not suitable for direct fluid immersion but may be used with thermowells. See Section 4 for thermowell options.

See Section 5 for optional 4 to 20 mA temperature transmitters.



MODEL S482PW IS 2.4\" (60.3 mm) LONG

Specifications

Temperature range: -45.5 to 135°C (-50 to 275°F).

Leadwires: AWG 22, PTFE insulated. Standard lengths are 4\", 12\" and 18\".

Moisture resistance: Meets MIL-STD-202, Method 104, Test Condition B.

Insulation resistance: 1000 megohms min. at 500 VDC, leads to case.

Model numbers

Element	TCR Ω / Ω/°C	Elements	Probes
RTDs			
Platinum 100 Ω ±0.1% at 0°C	0.00391	S402PB	411PB
Platinum 100 Ω ±0.1% at 0°C (Meets EN60751, Class B)	0.00385	S458PD	S460PD
Platinum 1000 Ω ±0.1% at 0°C	0.00385	S459PF	S461PF
Platinum 1000 Ω ±0.1% at 0°C	0.00375	S482PW	S485PW
Nickel-iron 1000 Ω ±0.12% at 70°F	0.00527	S400FB	S409FB
Nickel-iron 2000 Ω ±0.12% at 70°F	0.00527	S401FC	S410FC
HW 3000 Ω at -30.2°C	0.00262	S100057PX	S100837PX
Thermistors	^{R25} / _{4R125}		
Thermistor 2,252 Ω ±1% at 25°C	29.2	TS438TA	TS440TA
Thermistor 10,000 Ω ±1% at 25°C	23.5	TS439TB	TS441TB

Specification and order options:

Elements

S458PD	Model number from table
Z	Number of leads: Y = 2 leads Z = 3 leads (platinum only)
4	Lead length in inches
S458PDZ4 = Sample part number	

Probes

S411PB	Model number from table
60	Case length: Specify in 0.1\" increments (Ex: 60 = 6.0 inches) Minimum length is 3\"
Z	Number of leads: Y = 2 leads Z = 3 leads (platinum only)
4	Lead length in inches
S411PB60Z4 = Sample part number	

Specify and order products at:
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