![evolution Sensors and Controls, llc.]
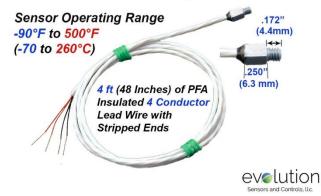
Product Specification Sheet

Part Number: P4A-THSF-THD-PX-0.31-PFXX-48-STWL
Product Description: Miniature RTD Sensor - 4 Wire Design with Stainless Steel Threaded Fitting and 4ft of Lead Wire

Miniature RTD Sensor
Stainless Steel Threaded Fitting
4 Wire Pt100 *Class A Accuracy*

1/4" Stainless Steel Hex Fitting
#8-32 UNC 2A Mounting Thread

Sensor Operating Range
-90°F to 500°F
(-70 to 260°C)

.172" (4.4mm)
.250" (6.3 mm)

4 ft (48 Inches) of PFA Insulated 4 Conductor Lead Wire with Stripped Ends

Temp (°C)	Tolerance for Pt100's (±°C)			
	Class B	Class A	1/3DIN	1/10DIN
-200	1.30	—	—	—
-100	0.80	—	—	—
-50	0.55	0.25	0.18	—
0	0.30	0.15	0.10	0.03
100	0.80	0.35	0.27	0.08
200	1.30	0.55	0.43	—
250	1.55	0.65	0.52	—
300	1.80	0.75	—	—
350	2.05	0.85	—	—
400	2.30	0.95	—	—
450	2.55	1.05	—	—
500	2.80	—	—	—
600	3.30	—	—	—

Temperature Sensor Type	4 Wire Pt100 RTD Class A Accuracy RTD element per IEC 60751 (0.385 Ohm change per °C)
Threaded Fitting Length	.172" (4.37 mm)
Threaded Fitting Diameter	.16" (4.06 mm)
Threaded Fitting Material	316 Stainless Steel
Sensor Temperature Range	Class A Accuracy Range -58 to 572°F (-50 to 300°C) -90 to 500°F (-70 to 260°C)
Transition Fitting	High Performance 500°F (260°C) Rated Epoxy
Lead Wire Length	48" (4ft or 1.2 Meters) Long
Lead Wire Insulation	PFA with -392°F to 500° F (260°C) rating
Lead Wire Construction	26 Gage Stranded (7/34) Nickel Plated Copper. 4 conductor PFA insulated and twisted with a PFA outer jacket. Diameter approx. .090" (2.3 mm)
Wire Termination - Instrument Connection	Single Stripped Leads with 1/2" Bare Wire End
Color Coding	Internal 2 Red Wires and 2 Black Wires with White Jacket
RoHS Status	Compliant to RoHS 2 and 3 directives