



Features & Options

- Plenum-rated Etched Teflons Leads or Cable
- Probe Lengths from 1.75" to 48"
- 1/4" Stainless Steel Probes
- Fits BAPI Duct, Immersion or Remote Sensor Applications
- Double Encapsulated

BAPI's Duct, Immersion and Remote temperature replacement probes are easy to field swap to save time and money when the old probe becomes damaged or the sensor requirements have changed.

Replacement Probes feature a standard 1/4" stainless steel probe, double encapsulated temperature sensor with minimum 6" 22 AWG Etched Teflon lead wires. The probes are available in various lengths from 1.75" to 48". The leads are available in a variety of lengths including 18", 5', 10', 15', 20', and 25'.

Additional cable options, lead lengths, and probe styles are available upon request. See the order grid to select the probe replacement for your application.

For detailed specifications on the individual Sensors & Transmitters, turn to "Sensors" Section.



**Replacement Probes
1.75", 4.5", 6.5" & 8.25" Probes
with Etched Teflon Leads
(The 1.75" Probe is "No Flare"
while the other three are
"Flared")**

*All Passive Thermistors 20KΩ and smaller are CE compliant.

Specifications

Sensor:

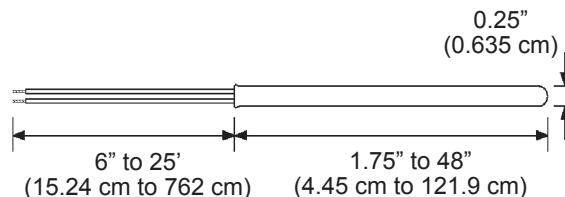
Thermistor.....NTC, 2 wire
RTD.....PTC, 2 or 3 wire

Thermistor:

Temp. OutputResistance
Accuracy(std) ±0.36°F, (±0.2°C)
Accuracy(Hi) ±0.18°F, (±0.1°C), [XP] option
Probe range-40° to 221°F (-40° to 105°C)

RTD:

Platinum (PT) 100Ω or 1KΩ @0°C, 385 curve,
Platinum (PT) 1KΩ @0°C, 375 curve
PT Accuracy (std)..0.12% @Ref, or ±0.55°F, (±0.3°C)
PT Accuracy (Hi) ..0.06% @Ref, or ±0.277°F, (±0.15°C), [A]option
PT Probe range-40° to 221°F, (-40 to 105°C)
Nickel (Ni) 1000Ω @70°F, JCI curve
Ni Probe range-40° to 221°F (-40 to 105°C)



Probe Material: Rigid Stainless Steel, 0.25" OD

Probe Length: 1.75 to 48" or custom per order

Lead Wire: Twin lead 22awg stranded

Wire Insulation: Etched Teflon, PVC or FEP Plenum Rated

Agency: RoHS





Ordering Information		Replacement Probes & Transmitters	
BA/	Sensor Type	Required selection	Use the designator number (shown to the left in bold) to indicate the sensor
		THERMISTORS	RTDs
	1.8K	1.8K Ω @ 25 °C	1K[375] 1K Ω Platinum @ 0 °C, 3.75 Ω /°C temp. coeff.
	2.2K	2.2K Ω @ 25 °C	1K[Ni] 1K Ω Nickel @ 21°C, 5 Ω /°C temp. coeff.
	3K	3K Ω @ 25 °C	1K 1K Ω Platinum @ 0 °C, 3.85 Ω /°C temp. coeff.
	3.25K	3.25K Ω @ 25 °C (T30 type)	2K 2K Ω Silicon @ 20 °C, 8 Ω /°C temp. coeff.
	3.3K	3.3K Ω @ 25 °C	
	10K-2	10K Ω @ 25 °C	SEMICONDUCTORS
	10K-3	10K Ω @ 25 °C	334 LM334 Semiconductor
	10K-3[11K]	5,238 Ω @ 25 °C	592 AD592 Semiconductor, 273 μ A @ 0 °C
	20K	20K Ω @ 25 °C	592-10K AD592 Semicond. w/ 10 k Ω shunt resistor, 2.73 V @ 0 °C
	47K	47K Ω @ 25 °C	
	50K	50K Ω @ 25 °C	
	100K	100K Ω @ 25 °C	
	Probe Length	Required selection	
	-P-1.75"	"No Flare" Probe, 1.75" probe	
	-P-4"	"No Flare" Probe, 4.00" probe	
	-P-4.5"	Stock "Flared" Probe, 4.5" probe (for Duct 4" or Immersion 2")	
	-P-6.5"	Stock "Flared" Probe, 6.50" probe (for Duct 6" or Immersion 4")	
	-P-8.25"	Stock "Flared" Probe, 8.25" probe (for Duct 8")	
	-P-9.5"	Stock "Flared" Probe, 9.50" probe (for Immersion 8")	
	-P-12.25"	Stock "Flared" Probe, 12.25" probe (for Duct 12" or Immersion 10")	
	-P-18.25"	Stock "Flared" Probe, 18.25" probe (for Duct 18")	
	-P-24.25"	Non-Stock "Flared" Probe, 24.25" probe (for Duct 24")	
	-P-30.25"	Non-Stock "Flared" Probe, 30.25" probe (for Duct 30")	
	-P-36.25"	Non-Stock "Flared" Probe, 36.25" probe (for Duct 36")	
	-P-48"	Non-Stock "Flared" Probe, 48.00" probe (for Duct 48")	
		Etched Teflon or Cable Lead Length	Must select one
		-TFE	6 inch Etched Teflon leads (Plenum Rated)
		-TFE-18"	18 inch Etched Teflon leads (Plenum Rated)
		-TFE-5'	5 feet Etched Teflon leads (Plenum Rated)
		-TFE-10'	10 feet Etched Teflon leads (Plenum Rated)
		-TFE-15'	15 feet Etched Teflon leads (Plenum Rated)
		-TFE-20'	20 feet Etched Teflon leads (Plenum Rated)
		-TFE-25'	25 feet Etched Teflon leads (Plenum Rated)
		-PL	6 inch Plenum Rated Cable (RPP)
		-PL-18"	18 inch Plenum Rated Cable (RPP)
		-PL-5'	5 feet Plenum Rated Cable (RPP)
		-PL-10'	10 feet Plenum Rated Cable (RPP)
		-PL-15'	15 feet Plenum Rated Cable (RPP)
		-PL-20'	20 feet Plenum Rated Cable (RPP)
		-PL-25'	25 feet Plenum Rated Cable (RPP)
		-FEP	6 inch FEP Jacketed Plenum Cable (RPFEP)
		-FEP-18"	18 inch FEP Jacketed Plenum Cable (RPFEP)
		-FEP-5'	5 feet FEP Jacketed Plenum Cable (RPFEP)
		-FEP-10'	10 feet FEP Jacketed Plenum Cable (RPFEP)
		-FEP-15'	15 feet FEP Jacketed Plenum Cable (RPFEP)
		-FEP-20'	20 feet FEP Jacketed Plenum Cable (RPFEP)
		-FEP-25'	25 feet FEP Jacketed Plenum Cable (RPFEP)
EXAMPLE			
BA/	10K-2	-P-18.25"-TFE	
Example Part Number: BA/10K-2-P-18.25"-TFE			
Your Part Number:			

Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.

