



Features & Options

- Etched Teflons Leads on the Remote Sensors
- Plenum Cable or FEP Cable on the Remote Probes
- Double Encapsulated Sensors on the Remote Probes

BAPI Remote Sensors feature a .75" long encapsulation shell and etched Teflon leads in lengths of 6", 18", 5', 10', 15', 20', and 25'. Remote Sensors are perfect for tight locations. Additional cable options, lead lengths and probe styles are available.

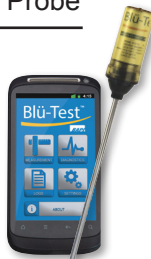
Remote Probes feature a 1.75" long stainless steel probe with either Plenum-Rated Cable or FEP-Jacketed Cable. Lead lengths are 18", 5', 10', 15', 20', and 25'. Remote Probes are commonly used in refrigerated case or strap-on applications. They are ideal for hard-to-access areas or spaces where the usual Immersion or Duct Sensors do not fit well. Additional cable options, lead lengths and probe styles are available upon request.

Remote Sensors and Probes are available with a Weatherproof (WP), BAPI-Box (BB), BAPI-Box 2 (BB2) or BAPI-Box 4 (BB4) Enclosure.

Blü-Test Bluetooth Wireless Temp & Humidity Measurement Probe

Commissioning just got easier with BAPI's temp and humidity probe. No need to carry an extra meter because the Blü-Test communicates to your Bluetooth-enabled Smart Phone or Tablet. The free App even lets you log the data.

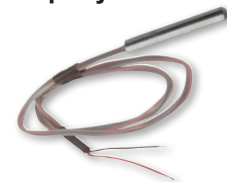
For more info on the Blü-Test, see the Wireless section.



Remote Sensor with Epoxy Shell



Remote Probe with Plenum Cable



Remote Probe with FEP Cable



BAPI-Box (BB)



Weatherproof (WP)



BAPI-Box 2 (BB2)



BAPI-Box 4 (BB4)



*All Passive Thermistors 20K Ω and smaller are CE compliant.

Specifications

Environmental Operation Range:

Temperature Sensor: -40 to 105 °C
 Temperature Transmitter: -20 to 70 °C
 Humidity: 0 to 100%, non-condensing

Enclosure Material:

WP: Cast Aluminum
 BB & BB2: UV-resist. polycarb., UL94, V-0
 BB4: Nylon & Plastic, UL94, V-0

Enclosure Rating:

WP Model: NEMA 3R
 BB & BB2 Models: IP66, NEMA 4
 BB4 Models: IP44

Encl. Dimensions:

Model	H x W x D
BAPI-Box (BB)	5 x 4.1 x 2.5" (127 x 104 x 63.5mm)
BAPI-Box 2 (BB2)	4.9 x 2.8 x 2.35" (125 x 71.6 x 60mm)
BAPI-Box 4 (BB4)	2.8 x 2.8 x 2.06" (72 x 71.4 x 52.3mm)
Weatherproof (WP)	4.5 x 2.75 x 2.2" (114 x 70 x 55mm)

(For enclosure dimension drawings, turn to the end of the section.)

For detailed specifications on the Sensors & Transmitters, see the "Sensors" section.





Ordering Information		Remote Sensors & Probes		
BA/				
Sensor Type (Required)		Use the designator number (shown to the left in bold) to indicate the sensor		
#	1.8K	THERMISTORS	RTDs	
	2.2K	1.8K Ω @ 25 °C	100 100 Ω Platinum @ 0 °C, .385 Ω /°C temp. coeff.	
	3K	2.2K Ω @ 25 °C	100[3W] 3 Wire 100 Ω Plat. @ 0 °C, .385 Ω /°C temp. coeff.	
	3.25K	3K Ω @ 25 °C	1K[375] 1K Ω Platinum @ 0 °C, 3.75 Ω /°C temp. coeff.	
	3.3K	3.25K Ω @ 25 °C (T30 type)	1K[Ni] 1K Ω Nickel @ 21°C, 5 Ω /°C temp. coeff.	
	10K-2	3.3K Ω @ 25 °C	1K 1K Ω Platinum @ 0 °C, 3.85 Ω /°C temp. coeff.	
	10K-3	10K Ω @ 25 °C	2K 2K Ω Silicon @ 20 °C, 8 Ω /°C temp. coeff.	
	10K-3[11K]	10K Ω @ 25 °C		
	20K	5,238 Ω @ 25 °C	SEMICONDUCTORS	
	47K	20K Ω @ 25 °C	334 LM334 Semiconductor	
	50K²	47K Ω @ 25 °C	592 AD592 Semiconductor, 273 μ A @ 0 °C	
	100K	50K Ω @ 25 °C	592-10K AD592 Semicond. with 10 k Ω shunt resistor, 2.73V @ 0 °C	
		100K Ω @ 25 °C		
		TEMPERATURE TRANSMITTERS*		
	T1K[range]	1K Platinum RTD, 1,000 Ω @ 0 °C with 4 to 20 mA Output		
T1KM[range]	1K Platinum RTD, 1,000 Ω @ 0 °C with MATCHED 4 to 20 mA Output**			
T10K[range]	10K Thermistor, 10,000 Ω @ 25 °C with 4 to 20 mA Output**			
T10K5[range]	10K Thermistor, 10,000 Ω @ 25 °C with 0-5 VDC Output**			
T10K10[range]	10K Thermistor, 10,000 Ω @ 25 °C with 0-10 VDC Output**			
	TEMPERATURE TRANSMITTER RANGES			
	Custom temperature transmitter ranges are available. Common ranges listed below			
	0 TO 100F	-18 TO 38C	-4 TO 176F -20 TO 80C	
	-50 TO 100F	-46 TO 38C	40 TO 240F 4 TO 116C	
	-52 TO 152F	-47 TO 67C		
	Probe Type and Lead Length Required selection			
	-PP-6"	Remote Sensor - 6" Leads (Etched Teflon Leadwires)		
	-PP-18"	Remote Sensor - 18" Leads (Plenum Rated Cable)		
	-PP-5'	Remote Sensor - 5' Leads (Plenum Rated Cable)		
	-PP-10'	Remote Sensor - 10' Leads (Plenum Rated Cable)		
	-PP-15'	Remote Sensor - 15' Leads (Plenum Rated Cable)		
	-PP-20'	Remote Sensor - 20' Leads (Plenum Rated Cable)		
	-PP-25'	Remote Sensor - 25' Leads (Plenum Rated Cable)		
	-RPP-6"	Remote Probe with Plenum Rated Cable - 6" Leads		
	-RPP-18"	Remote Probe with Plenum Rated Cable - 18" Leads		
	-RPP-5'	Remote Probe with Plenum Rated Cable - 5' Leads		
	-RPP-10'	Remote Probe with Plenum Rated Cable - 10' Leads		
	-RPP-15'	Remote Probe with Plenum Rated Cable - 15' Leads		
	-RPP-20'	Remote Probe with Plenum Rated Cable - 20' Leads		
	-RPP-25'	Remote Probe with Plenum Rated Cable - 25' Leads		
	-RPFEP-6"	Remote Probe with FEP Jacketed Cable - 6" Leads		
	-RPFEP-18"	Remote Probe with FEP Jacketed Cable - 18" Leads		
	-RPFEP-5'	Remote Probe with FEP Jacketed Cable - 5' Leads		
	-RPFEP-10'	Remote Probe with FEP Jacketed Cable - 10' Leads		
	-RPFEP-15'	Remote Probe with FEP Jacketed Cable - 15' Leads		
	-RPFEP-20'	Remote Probe with FEP Jacketed Cable - 20' Leads		
	-RPFEP-25'	Remote Probe with FEP Jacketed Cable - 25' Leads		
	-RPFEP2-6"	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 6" Leads		
	-RPFEP2-18"	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 18" Leads		
	-RPFEP2-5'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 5' Leads		
	-RPFEP2-10'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 10' Leads		
	-RPFEP2-15'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 15' Leads		
	-RPFEP2-20'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 20' Leads		
	-RPFEP2-25'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 25' Leads		
		Enclosure Type¹ Required for Temp. Transmitter units, optional for other units		
		-BB	BAPI-Box Enclosure - IP66 rated, UV-resistant polycarbonate	
		-BB2	BAPI-Box 2 Enclosure - IP66 rated, UV-resistant polycarbonate	
		-BB4	BAPI-Box 4 Enclosure - IP44 rated, nylon & plastic (Not for Transmitters)	
		-WP	Weatherproof Enclosure - NEMA 3R rated metal enclosure	
			Options An enclosure is required	
		-TB	Test & Balance Switch (BB or BB2 required, includes a Terminal Strip Connection, not available with Temp. Transmitter)	
		-TS	Terminal Strip Connection (BB or BB2 required for units with a Thermistor, RTD or Semiconductor)**	
EXAMPLE				
BA/	10K-2	-PP-18"		
Example Part Number: BA/10K-2-PP-18"				
Your Part Number:				

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

¹Temperature Transmitters require an enclosure. The enclosure is optional for Thermistors, RTDs and Semiconductors.

²The 50K Ω Thermistor is not available for the Remote Sensor (-PP) configuration.

^{*}MATCHED Transmitter use Class A RTD's & are matched at 25%, 50% & 75% of calibrated scale limited to within -25°C to 150°C.

^{**}Range is limited to -40 to 185°F (-40 to 85°C)

^{***}TS option is not available with the 592-10K Semiconductor sensor or the T10K transmitters.

