



Features & Options

- Etched Teflons Leads on Remote Sensors
- Plenum Cable or FEP Cable on Remote Probes
- Double Encapsulated Sensors on 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, BAPI-Box, BAPI-Box 2 or BAPI-Box 4 Enclosure.

Pierceable Knockout Plug

A Pierceable Knockout Plug is available for the open port in the BAPI-Box 4 enclosure (and other enclosures). With the plug installed, the BAPI-Box 4 carries an IP44 rating.

See "Accessories" for more info.



Pierceable Knockout Plug

BAPI-Box 4 Remote Sensor with Plug Installed



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: IP10 (IP44 with Knockout Plug installed)

Encl. Dimensions:

	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.

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



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Remote Sensors & Probes

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Temperature Sensors

Ordering Grids without List Prices are available on our website at www.bapihvac.com

Ordering Information			List Price	Your Order
Remote Sensors & Probes				
BA/	Sensor Type (Required)	Use the designator number (shown to the left in bold) to indicate the sensor		
#	THERMISTORS		Thermistors	
	1.8K	1.8K Ω @ 25 °C	\$18 Each	\$ _____
	2.2K	2.2K Ω @ 25 °C		
	3K	3K Ω @ 25 °C		
	3.25K	3.25K Ω @ 25 °C (T30 type)		
	3.3K	3.3K Ω @ 25 °C	RTD's	
	10K-2	10K Ω @ 25 °C	\$25 Each	\$ _____
	10K-3	10K Ω @ 25 °C	or	
	10K-3[11K]	10K Ω @ 25 °C	\$35 for 1K[NI]	
	20K	20K Ω @ 25 °C		
	47K	47K Ω @ 25 °C	Semi-conductors	
	50K*	50K Ω @ 25 °C	\$25 Each	\$ _____
	100K	100K Ω @ 25 °C		
RTDs			Temperature Transmitters	
	1K[375]	1K Ω Platinum @ 0 °C, 3.75 Ω /°C temp. coeff.	\$ _____	
	1K[NI]	1K Ω Nickel @ 21 °C, 5 Ω /°C temp. coeff.		
	1K	1K Ω Platinum @ 0 °C, 3.85 Ω /°C temp. coeff.		
	2K	2K Ω Silicon @ 20 °C, 8 Ω /°C temp. coeff.		
SEMICONDUCTORS				
	334	LM334 Semiconductor		
	592	AD592 Semiconductor, 273 μ A @ 0 °C		
	592-10K	AD592 Semicond. with 10 k Ω shunt resistor, 2.73V @ 0 °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			\$280 for	\$ _____
-4 TO 176F -20 TO 80C			T1KM	
40 TO 240F 4 TO 116C				
Probe Type and Lead Length		Required selection		
-PP-6"	Remote Sensor - 6" Leads (Etched Teflon Leadwires)		\$-4	\$ _____
-PP-18"	Remote Sensor - 18" Leads (Plenum Rated Cable)		\$-4	\$ _____
-PP-5'	Remote Sensor - 5' Leads (Plenum Rated Cable)		\$-2	\$ _____
-PP-10'	Remote Sensor - 10' Leads (Plenum Rated Cable)		\$0	\$ _____
-PP-15'	Remote Sensor - 15' Leads (Plenum Rated Cable)		\$2	\$ _____
-PP-20'	Remote Sensor - 20' Leads (Plenum Rated Cable)		\$4	\$ _____
-PP-25'	Remote Sensor - 25' Leads (Plenum Rated Cable)		\$6	\$ _____
-RPP-6"	Remote Probe with Plenum Rated Cable - 6" Leads		\$0	\$ _____
-RPP-18"	Remote Probe with Plenum Rated Cable - 18" Leads		\$0	\$ _____
-RPP-5'	Remote Probe with Plenum Rated Cable - 5' Leads		\$2	\$ _____
-RPP-10'	Remote Probe with Plenum Rated Cable - 10' Leads		\$4	\$ _____
-RPP-15'	Remote Probe with Plenum Rated Cable - 15' Leads		\$6	\$ _____
-RPP-20'	Remote Probe with Plenum Rated Cable - 20' Leads		\$8	\$ _____
-RPP-25'	Remote Probe with Plenum Rated Cable - 25' Leads		\$10	\$ _____
-RPFEP-6"	Remote Probe with FEP Jacketed Cable - 6" Leads		\$3	\$ _____
-RPFEP-18"	Remote Probe with FEP Jacketed Cable - 18" Leads		\$3	\$ _____
-RPFEP-5'	Remote Probe with FEP Jacketed Cable - 5' Leads		\$5	\$ _____
-RPFEP-10'	Remote Probe with FEP Jacketed Cable - 10' Leads		\$10	\$ _____
-RPFEP-15'	Remote Probe with FEP Jacketed Cable - 15' Leads		\$15	\$ _____
-RPFEP-20'	Remote Probe with FEP Jacketed Cable - 20' Leads		\$20	\$ _____
-RPFEP-25'	Remote Probe with FEP Jacketed Cable - 25' Leads		\$25	\$ _____
-RPFEP2-6"	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 6" Leads		\$10	\$ _____
-RPFEP2-18"	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 18" Leads		\$10	\$ _____
-RPFEP2-5'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 5' Leads		\$15	\$ _____
-RPFEP2-10'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 10' Leads		\$20	\$ _____
-RPFEP2-15'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 15' Leads		\$25	\$ _____
-RPFEP2-20'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 20' Leads		\$30	\$ _____
-RPFEP2-25'	Remote Probe with FEP Jacketed Cable (suitable for extended submersion) - 25' Leads		\$35	\$ _____
Enclosure Type¹ Required for Temp. Transmitter units, optional for other units				
-BB	BAP-Box Enclosure - IP66 rated, UV-resistant polycarbonate		\$12	\$ _____
-BB2	BAP-Box 2 Enclosure - IP66 rated, UV-resistant polycarbonate		\$12	\$ _____
-BB4	BAP-Box 4 Enclosure - IP10 rated, nylon & plastic (Not for Transmitters) (IP44 rated if Pierceable Knockout Plug is installed in the open port.)		\$0	\$ _____
-WP	Weatherproof Enclosure - NEMA 3R rated metal enclosure		\$12	\$ _____
Options		An enclosure is required		
-TB	Test & Balance Switch (BB or BB2 required, includes a Terminal Strip Connection, not available with Temp. Transmitter)		\$7.50	\$ _____
-TS	Terminal Strip Connection (BB or BB2 required for units with a Thermistor, RTD or Semiconductor)***		\$7	\$ _____

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.

³MATCHED Transmitter use Class A RTD's & are matched at 25%, 50% & 75% of calibrated scale limited to within -25°C to 150°C.

⁴Range is limited to -40 to 185°F (-40 to 85°C)

⁵TS option is not available with the 592-10K Semiconductor sensor or the T10K transmitters.



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