Immersion Probes w/ stainless steel fitting

Temperature Sensors

Rev. 04/18/16

Features & Options

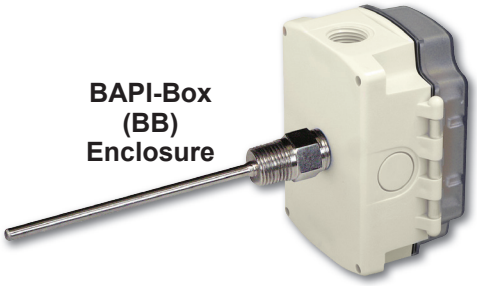
- Probe Lengths: 2”, 4” and 8” (fit standard BAPI Thermowell lengths)
- Series 304 Stainless Steel Probes
- Double Encapsulated Sensors
- 3 Optional Watertight Enclosures
- Wide Selection of Temperature Sensing Elements

Immersion Units are available in 2”, 4” and 8” probe lengths. This unit is provided with a 1/4” stainless steel probe and a 1/2” NPT double-ended stainless steel fitting.

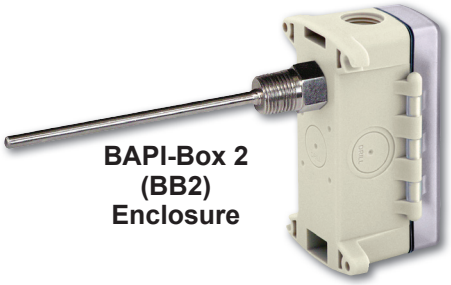
The sensors are potted inside the probe with a thermally conductive compound. All units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation. Immersion Probes are available with a watertight BAPI-Box, BAPI-Box 2 or a Weatherproof enclosure.

No Box (NB) (Standard)

BAPI-Box (BB) Enclosure



BAPI-Box 2 (BB2) Enclosure



Weatherproof (WP) Enclosure

Blü-Test Bluetooth® Wireless Temp & Humidity Measurement Probe

Commissioning just got easier with BAPI’s Bluetooth® 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 Accessories section.

*All Passive Thermistors 20KΩ 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 Model: Cast Aluminum
BB & BB2: UV-resist. polycarb., UL94, V-0

Enclosure Rating:
WP Model: NEMA 3R
BB & BB2: IP66, NEMA 4

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)
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.

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

Ordering Information	Immersion Probes, Double Threaded - Temperature			List Price	Your Order
BA/					
Sensor Type (Required)	**Use the designator number (shown to the left in bold) to indicate the sensor**				
#	**THERMISTORS**		**RTDs**	**Thermistors**	
1.8K	1.8K Ω @ 25 °C	**1K[375]**	1K Ω Platinum @ 0 °C, 3.75 Ω/°C temp. coeff.	**$18 Each**	$_____
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.	**RTD's**	
3.25K	3.25K Ω @ 25 °C (T30 type)	**2K**	2K Ω Silicon @ 20 °C, 8 Ω/°C temp. coeff.	**$25 Each**	
3.3K	3.3K Ω @ 25 °C			**or**	$_____
10K-2	10K Ω @ 25 °C			**$35 for 1K(NI)**	
10K-3	10K Ω @ 25 °C		**SEMICONDUCTORS**		
10K-3[11K]	5,238 Ω @ 25 °C	**334**	LM334 Semiconductor	**Semi-**	
20K	20K Ω @ 25 °C	**592**	AD592 Semiconductor, 273 µA @ 0 °C	**conductors**	
47K	47K Ω @ 25 °C	**592-10K**	AD592 Semicond. with 10 kΩ shunt resistor,	**$25 Each**	$_____
50K	50K Ω @ 25 °C		2.73 V @ 0 °C		
100K	100K Ω @ 25 °C				
	TEMPERATURE TRANSMITTERS *Must include a "range" figure. Requires an enclosure.*			**Temperature**	
T1K[range]	1K Platinum RTD, 1,000 Ω @ 0 °C with 4 to 20 mA Output			**Transmitters**	
T1KM[range]	1K Platinum RTD, 1,000 Ω @ 0 °C with MATCHED* 4 to 20 mA Output			**$125 for**	$_____
T10K[range]	10K Thermistor, 10,000 Ω @ 25 °C with 4 to 20 mA Output**			**T1K & T10K**	
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 are listed below			**$280 for**	$_____
	30 TO 81F **-1 TO 27C** **32 TO 212F** **0 TO 100C**			**T1KM**	
	0 TO 100F **-18 TO 38C** **40 TO 240F** **4 TO 116C**				
	20 TO 120F **-7 TO 49C** **50 TO 250F** **10 TO 121C**				
	32 TO 134F **0 TO 57C**				
	Note: Temperature Transmitter Units require a WP, BB or BB2 enclosure				
	Configuration (Required)				
	-I-2"-SS	2" Immersion length of ¼" Diameter, Stainless Steel Probe, 3.5" probe (use 2" BAPI Well)		**$42**	$_____
	-I-4"-SS	4" Immersion length of ¼" Diameter, Stainless Steel Probe, 5.5" probe (use 4" BAPI Well)		**$42**	$_____
	-I-8"-SS	8" Immersion length of ¼" Diameter, Stainless Steel Probe, 8.5" probe (use 8" BAPI Well)		**$42**	$_____
		Optional Enclosure Enclosure required for transmitters			
		-WP	Weatherproof Enclosure - NEMA 3R rated metal enclosure	**$12**	$_____
		-WPO	Weatherproof Encl. - NEMA 3R rated, Outside Mount (probe out the bottom)	**$12**	$_____
		-BB	BAPI-Box Enclosure - IP66 rated, UV-resistant polycarbonate	**$12**	$_____
		-BBO	BAPI-Box Encl. - IP66 rated, Outside Mount (prove out the bottom)	**$12**	$_____
		-BB2	BAPI-Box 2 Enclosure - IP66 rated, UV-resistant polycarbonate	**$12**	$_____
		-BB2O	BAPI-Box 2 Encl. - IP66 rated, Outside Mount (probe out the bottom)	**$12**	$_____
		Optional Terminal Block An enclosure is required			
		-TS	Terminal Strip Connection (BB or BB2 required for units with a Thermistor, RTD or Semiconductor)***		
EXAMPLE					
BA/	**10K-2**	**-I-2"-SS**	**-WP**	**Total =**	$_____
Example Part Number: BA/10K-2-I-8"-SS-WP					
Your Part Number:					

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

*Transmitters with matched outputs require a Class A sensor.

**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.