

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

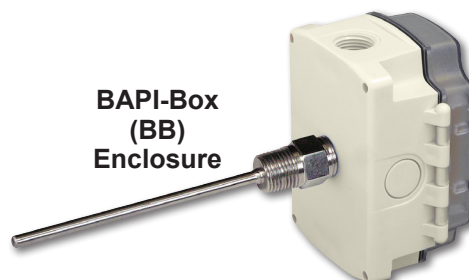
Immersion Units are available in 2", 4" and 8" probe lengths. This unit is provided with a 1/4" stainless steel probe and a 1/2" NPT double-ended stainless steel fitting.

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.

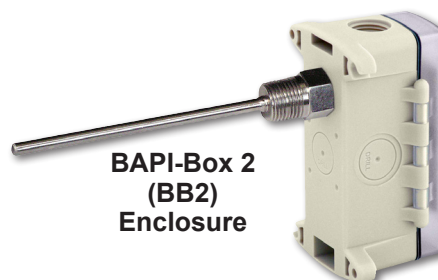
No Box (NB)
(Standard)



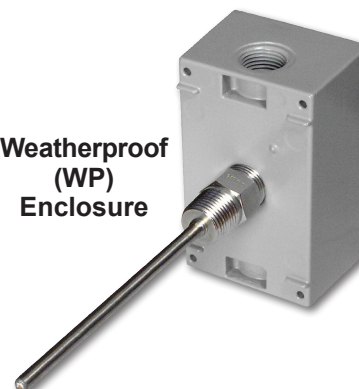
BAPI-Box
(BB)
Enclosure



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.

Immersion Probes w/ stainless steel fitting

A47

Rev. 02/25/15

Temperature Sensors

Ordering Information		Immersion Probes, Double Threaded - Temperature																
BA/	Sensor Type (Required) Use the designator number (shown to the left in bold) to indicate the sensor																	
#	<div> THERMISTORS </div> <div> RTDs </div> <div> SEMICONDUCTORS </div>																	
	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																
	10K-3	10K Ω @ 25 °C																
	10K-3[11K]	5,238 Ω @ 25 °C																
	20K	20K Ω @ 25 °C	334 LM334 Semiconductor															
	47K	47K Ω @ 25 °C	592 AD592 Semiconductor, 273 μ A @ 0 °C															
	50K	50K Ω @ 25 °C	592-10K AD592 Semicond. with 10 k Ω shunt resistor, 2.73 V @ 0 °C															
	100K	100K Ω @ 25 °C																
	TEMPERATURE TRANSMITTERS Must include a "range" figure. Requires an enclosure.																	
	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 are listed below																		
<table border="0"> <tr> <td>30 TO 81F</td> <td>-1 TO 27C</td> <td>32 TO 212F</td> <td>0 TO 100C</td> </tr> <tr> <td>0 TO 100F</td> <td>-18 TO 38C</td> <td>40 TO 240F</td> <td>4 TO 116C</td> </tr> <tr> <td>20 TO 120F</td> <td>-7 TO 49C</td> <td>50 TO 250F</td> <td>10 TO 121C</td> </tr> <tr> <td>32 TO 134F</td> <td>0 TO 57C</td> <td></td> <td></td> </tr> </table>			30 TO 81F	-1 TO 27C	32 TO 212F	0 TO 100C	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		
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Note: Temperature Transmitter Units require a WP, BB or BB2 enclosure																		
Configuration (Required)																		
-I-2"-SS	2" Immersion length of 1/4" Diameter, Stainless Steel Probe, 3.5" probe (use 2" BAPI Well)																	
-I-4"-SS	4" Immersion length of 1/4" Diameter, Stainless Steel Probe, 5.5" probe (use 4" BAPI Well)																	
-I-8"-SS	8" Immersion length of 1/4" Diameter, Stainless Steel Probe, 8.5" probe (use 8" BAPI Well)																	
Optional Enclosure Enclosure required for transmitters																		
-WP	Weatherproof Enclosure - NEMA 3R rated metal enclosure																	
-WPO	Weatherproof Encl. - NEMA 3R rated, Outside Mount (probe out the bottom)																	
-BB	BAPI-Box Enclosure - IP66 rated, UV-resistant polycarbonate																	
-BBO	BAPI-Box Encl. - IP66 rated, Outside Mount (probe out the bottom)																	
-BB2	BAPI-Box 2 Enclosure - IP66 rated, UV-resistant polycarbonate																	
-BB2O	BAPI-Box 2 Encl. - IP66 rated, Outside Mount (probe out the bottom)																	
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															
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.