



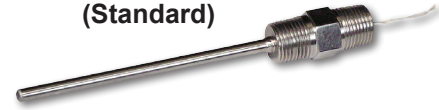
## Features & Options

- 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

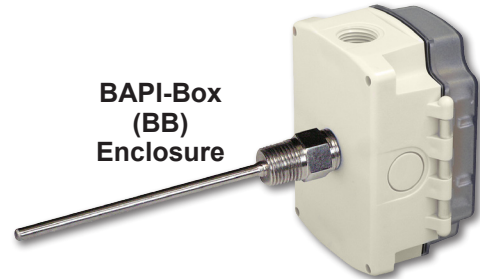
Immersion Units are available in 2", 4" and 8" probe lengths. This unit is provided with a 1/4" stainless steel probe and a 1/2" NPT double-ended stainless steel fitting.

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.

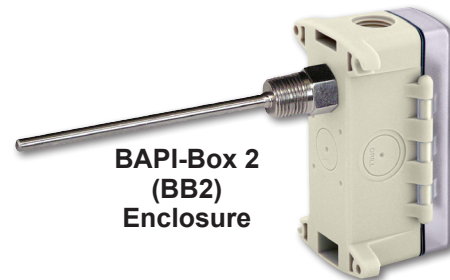
No Box (NB)  
(Standard)



BAPI-Box  
(BB)  
Enclosure



BAPI-Box 2  
(BB2)  
Enclosure



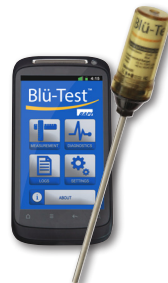
Weatherproof  
(WP)  
Enclosure



## 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 100 °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.**





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		
#	<b>THERMISTORS</b>		<b>RTDs</b>
	1.8K	1.8K $\Omega$ @ 25 °C	1K[375] 1K $\Omega$ Platinum @ 0 °C, 3.75 $\Omega$ /°C temp. coeff.
	2.2K	2.2K $\Omega$ @ 25 °C	1K[Ni] 1K $\Omega$ Nickel @ 21°C, 5 $\Omega$ /°C temp. coeff.
	3K	3K $\Omega$ @ 25 °C	1K 1K $\Omega$ Platinum @ 0 °C, 3.85 $\Omega$ /°C temp. coeff.
	3.25K	3.25K $\Omega$ @ 25 °C (T30 type)	2K 2K $\Omega$ Silicon @ 20 °C, 8 $\Omega$ /°C temp. coeff.
	3.3K	3.3K $\Omega$ @ 25 °C	
	10K-2	10K $\Omega$ @ 25 °C	
	10K-3	10K $\Omega$ @ 25 °C	<b>SEMICONDUCTORS</b>
	10K-3[11K]	5,238 $\Omega$ @ 25 °C	334 LM334 Semiconductor
	20K	20K $\Omega$ @ 25 °C	592 AD592 Semiconductor, 273 $\mu$ A @ 0 °C
	47K	47K $\Omega$ @ 25 °C	592-10K AD592 Semicond. with 10 k $\Omega$ shunt resistor, 2.73 V @ 0 °C
	50K	50K $\Omega$ @ 25 °C	
	100K	100K $\Omega$ @ 25 °C	
	<b>TEMPERATURE TRANSMITTERS</b> <i>Must include a "range" figure. Requires an enclosure.</i>		
	T1K[range]	1K Platinum RTD, 1,000 $\Omega$ @ 0 °C with 4 to 20 mA Output	
	T1KM[range]	1K Platinum RTD, 1,000 $\Omega$ @ 0 °C with MATCHED* 4 to 20 mA Output	
	T10K[range]	10K Thermistor, 10,000 $\Omega$ @ 25 °C with 4 to 20 mA Output**	
	T10K5[range]	10K Thermistor, 10,000 $\Omega$ @ 25 °C with 0-5 VDC Output**	
	T10K10[range]	10K Thermistor, 10,000 $\Omega$ @ 25 °C with 0-10 VDC Output**	
	<b>TEMPERATURE TRANSMITTER RANGES</b>		
	Custom temperature transmitter ranges are available. Common ranges are listed below		
	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	
	<i>Note: Temperature Transmitter Units require a WP, BB or BB2 enclosure</i>		
	<b>Configuration (Required)</b>		
	-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)	
	<b>Optional Enclosure Enclosure required for transmitters</b>		
	-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)	
	<b>Optional Terminal Block An enclosure is required</b>		
	-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			
<b>Your Part Number:</b>			

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.