



Features & Options

- Probe Lengths: 2", 4" and 8" (fit standard BAPI Thermowell lengths)
- Series 304 Stainless Steel Probes
- Double Encapsulated Sensors
- Two Optional Watertight Enclosures

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.

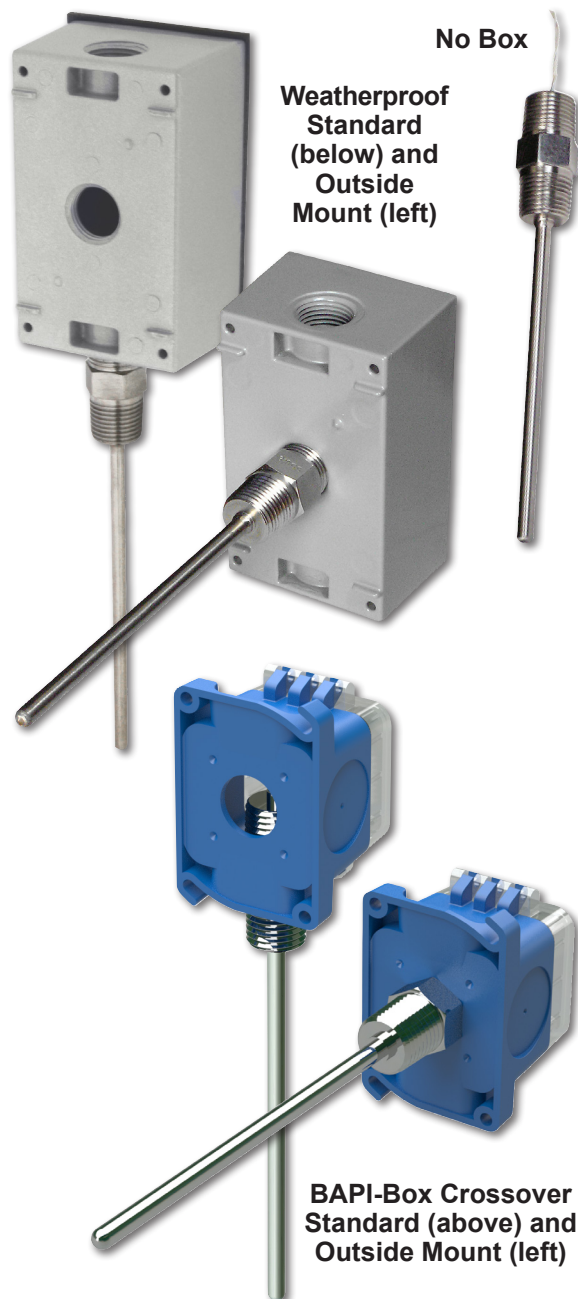
The sensors are potted inside the probe with a thermally conductive compound. All units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation. Immersion Probes are available with a metal Weatherproof enclosure or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

The BAPI-Box Crossover

The new BAPI-Box Crossover enclosure features a hinged cover with thumb latch for easy termination. It is available with a pierceable knockout plug for the open port and a watertight gasket for the cover.



(Shown with optional plug and gasketed cover.)



Specifications

Environmental Operation Range:
Temperature Sensor: -40 to 105 °C
Humidity: 0 to 100%, non-condensing

Enclosure Material:
Weatherproof: Cast Aluminum
BAPI-Box Crossover:
UV-resistant polycarb., UL94, V-0

Sensing Element:
Thermistor or RTD
(See Sensors Section for Specs.)

Probe Material:
Stainless Steel, 1/4" diameter

Enclosure Rating:
Weatherproof: IP24, NEMA 3R
BAPI-Box Crossover with Gasket & Plug: IP66, NEMA 4X
BAPI-Box Crossover: IP10, NEMA 1

Encl. Dimensions: H x W x D
BAPI-Box Crossover: 3.1 x 2.2 x 1.9" (79 x 56 x 49mm)
Weatherproof: 4.5 x 2.75 x 2.2" (114 x 70 x 55mm)

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





Use the Option Selection Guide below to create your custom part number. Replace the number and parenthesis with the designator for each selection. Skip the designator and dashes for optional selections that are not required in your configuration.

Immersion Sensor with SS Fitting Option Selection Guide

BA/ (**#1**) - (**#2**) - (**#3**) - (**#4**)

#1: Temperature Sensor (required)

1.8K	1.8K Thermistor
3K	3K Thermistor
10K-2	10K-2 Thermistor
10K-3	10K-3 Thermistor
10K-3[11K]	10K-3[11K] Thermistor
20K	20K Thermistor
1K[375]	1K Platinum RTD (375 curve)
1K[Ni]	1K Ω Nickel RTD
1K	1K Platinum RTD (385 curve)

Transmitters below require a BAPI-Box Crossover Enclosure

T1K[32 TO 212F]	1K Plat. RTD Transmitter, 4 to 20 mA Output, 32 to 212°F Range
T1K[20 TO 120F]	1K Plat. RTD Transmitter, 4 to 20 mA Output, 20 to 120°F Range
T1K[0 TO 100F]	1K Plat. RTD Transmitter, 4 to 20 mA Output, 0 to 100°F Range
T1K[0 TO 100C]	1K Plat. RTD Transmitter, 4 to 20 mA Output, 0 to 100°C Range
T1K[-7 TO 49C]	1K Plat. RTD Transmitter, 4 to 20 mA Output, -7 to 49°C Range
T1K[-18 TO 38C]	1K Plat. RTD Transmitter, 4 to 20 mA Output, -18 to 38°C Range

Matched Transmitters are also available. Contact your BAPI representative for ordering.

#2: Probe Type and Length (required)

I-2"-SS	Immersion, SS Fitting, 2" (51mm) length - Use 2" BAPI Thermowell
I-4"-SS	Immersion, SS Fitting, 4" (102mm) length - Use 4" BAPI Thermowell
I-8"-SS	Immersion, SS Fitting, 8" (203mm) length - Use 8" BAPI Thermowell

#3: Enclosure Style and Probe Mount (required)

BBX	BAPI-Box Crossover (IP10, NEMA 1)
BBXO	BAPI-Box Crossover (IP10, NEMA 1), Outside Mount (probe out bottom)
BBX6	BAPI-Box Crossover (IP66, NEMA 4X)
BBX6O	BAPI-Box Crossover (IP66, NEMA 4X), Outside Mount (probe out bottom)
WP	Weatherproof (IP24, NEMA 3R)
WPO	Weatherproof (IP24, NEMA 3R), Outside Mount, (probe out the bottom)

#4: Test & Balance or Terminal Strip (optional, requires a BAPI-Box Crossover Enclosure)

TB	Test & Balance Switch
TS	Terminal Strip Connection

Additional options are available for these units but not shown in this Selection Guide. Contact your BAPI representative for the complete list of options. Submittal sheets without List Prices can be downloaded from our website at www.bapihvac.com

Example Number: BA/ (**10K-2**) - (**I-2"-SS**) - (**BBX6**) - ()

Actual Number (with parenthesis removed): BA/10K-2-I-2"-SS-BBX6

Description: 10K-2 Thermistor, Immersion Sensor with SS Fitting, BAPI-Box Crossover (IP66).

Your Number: BA/

