



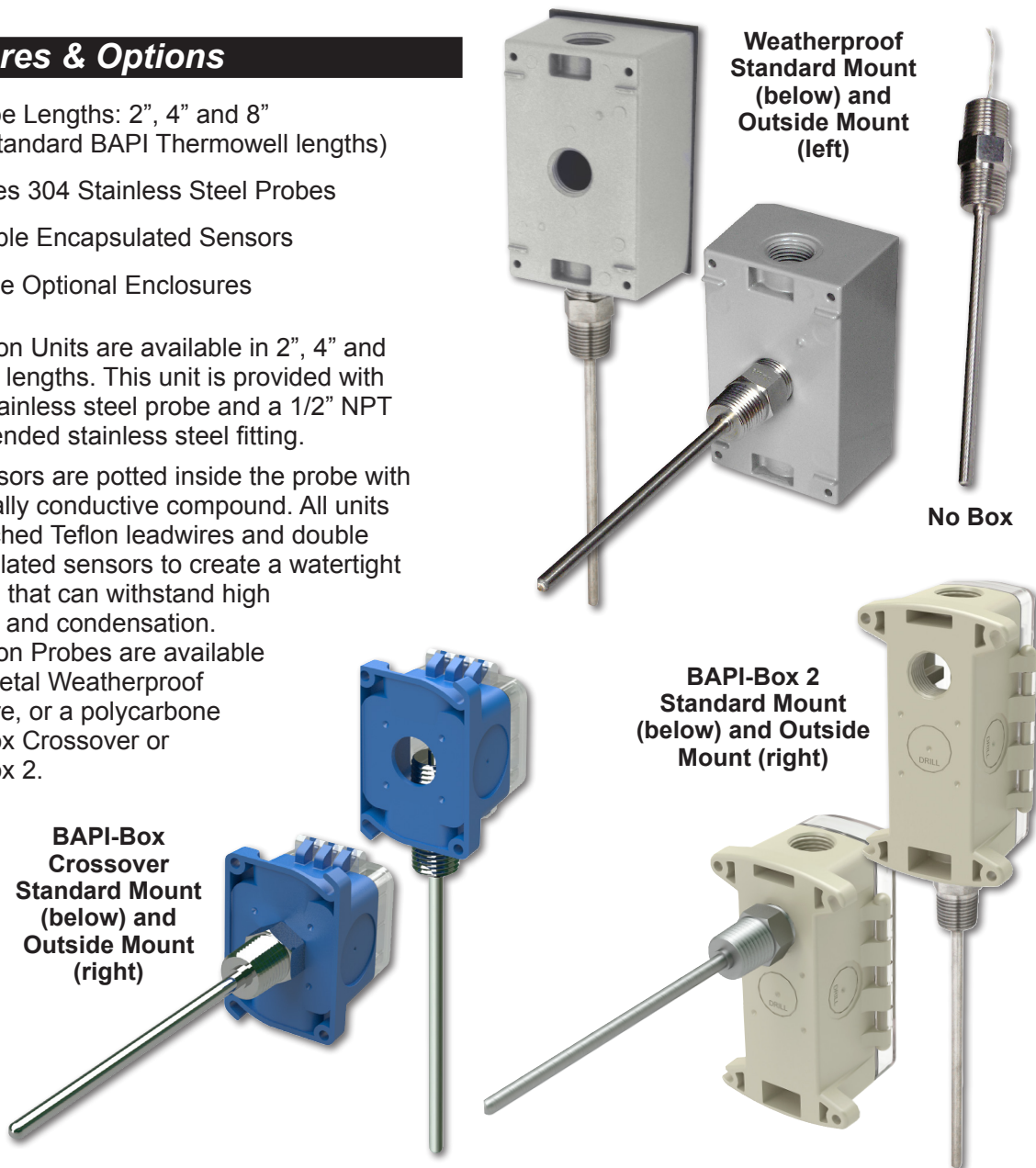
## Features & Options

- Probe Lengths: 2", 4" and 8" (fit standard BAPI Thermowell lengths)
- Series 304 Stainless Steel Probes
- Double Encapsulated Sensors
- Three Optional 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 a polycarbonate BAPI-Box Crossover or BAPI-Box 2.



## Specifications

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

**Enclosure Material:**  
 Weatherproof: Cast Aluminum  
 BAPI-Boxes: UV-res. 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:  
 IP10, NEMA 1  
 (IP44 with knockout plug in open port)

BAPI-Box 2: IP66, NEMA 4X

**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)  
 BAPI-Box 2:..... 4.9 x 2.8 x 2.35" (125 x 71.6 x 60mm)

(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 2 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)
- BB2 .....BAPI-Box 2 (IP66, NEMA 4X)
- BB2O .....BAPI-Box 2 (IP66, NEMA 4X), Outside Mount, (probe out the 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](http://www.bapihvac.com)*

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

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

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

**Your Number:** BA/

