



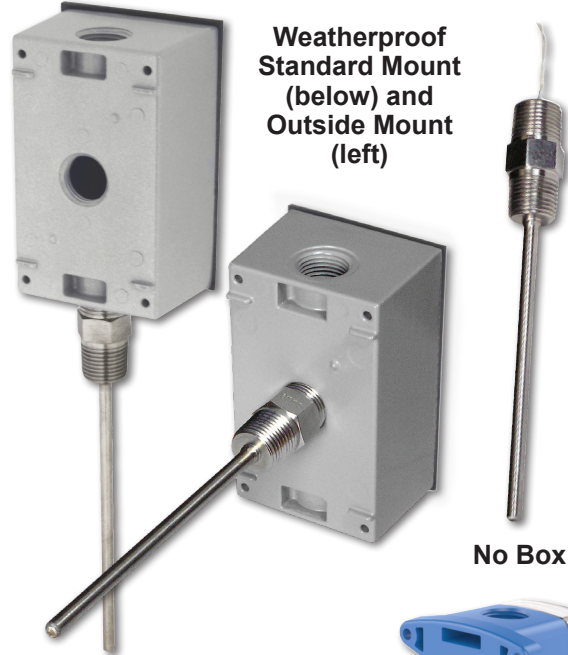
Features & Options

- 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.

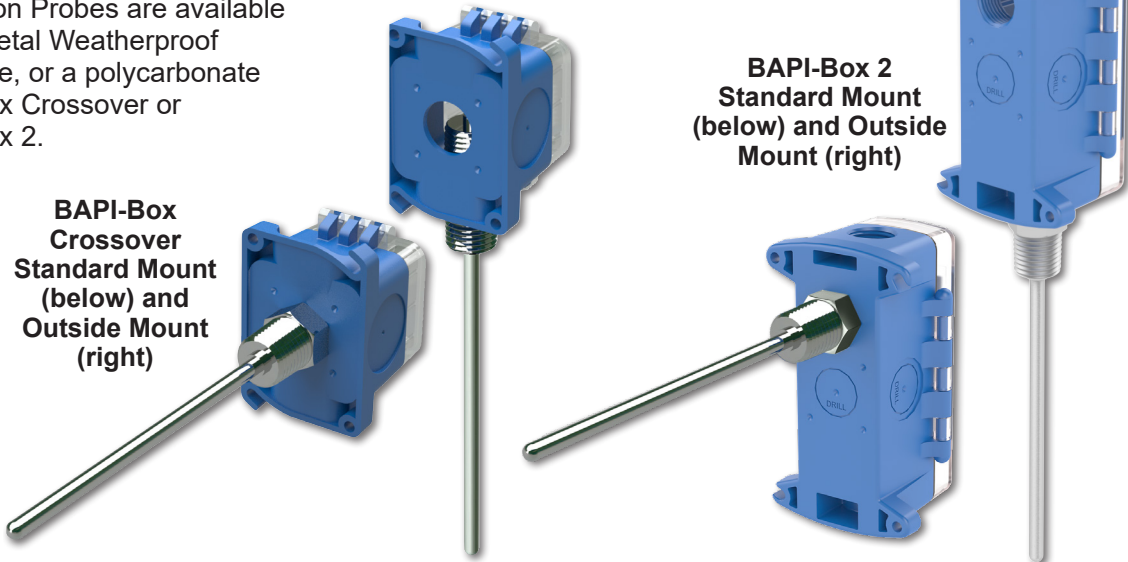
The sensors are potted inside the probe with a thermally conductive compound. All units have etched Teflon leadwires and double encapsulated sensors to create a watertight package that can withstand high humidity and condensation.

Immersion Probes are available with a metal Weatherproof enclosure, or a polycarbonate BAPI-Box Crossover or BAPI-Box 2.



Weatherproof Standard Mount (below) and Outside Mount (left)

No Box



BAPI-Box Crossover Standard Mount (below) and Outside Mount (right)

BAPI-Box 2 Standard Mount (below) and Outside Mount (right)

Specifications

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

Enclosure Material:
 Weatherproof: Cast Aluminum
 BAPI-Box 2: UV-res. Polycarb., UL94 V-0
 BAPI-Box Crossover:
 Cover: Polycarbonate, UL94 V-0
 Base: Nylon, UL94 HB

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

Probe Material: Stainless Steel, 1/4" dia.

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 Guides 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. Additional options are available but not shown above. Contact BAPI for the complete list of options.

Option Selection Guide

Immersion with SS Fitting Temperature Sensors

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

#1: Temp 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 Plat. RTD (375 curve)
 1K 1K Plat. RTD (385 curve)
 1K[NI]..... 1K Nickel RTD

#2: Probe Length (Required)

I-2"-SS 2" (51mm) length
 I-4"-SS 4" (102mm) length
 I-8"-SS 8" (203mm) length

#3: Enclosure (Required)

BBXBAPI-Box Crossover (IP10, NEMA 1)
 BBXO* ..BAPI-Box Crossover (IP10, NEMA 1)
 BB2.....BAPI-Box 2 (IP66, NEMA 4)
 BB2O*....BAPI-Box 2 (IP66, NEMA 4)
 WP.....Weatherproof (IP24, NEMA 3R)
 WPO*.....Weatherproof (IP24, NEMA 3R)

#4: Test & Balance or Terminal Strip (Optional)

TB Test & Balance Switch
 TS Terminal Strip Connection

*Outside Mount (probe out the bottom)

Example Number:

BA/(10K-2) - (I-4"-SS) - (BBX) - ()
 BA/10K-2-I-4"-SS-BBX (no parenthesis)

Description: 10K-2 Thermistor, 4" Probe, BAPI-Box Crossover Enclosure

Option Selection Guide

Immersion with SS Fitting Temperature Transmitters

BA/ (#1)(#2) - (#3) - (#4) - (#5)

#1: Output (Required)

T1K 4 to 20mA Output
 TXS05..... 0 to 5V Output*
 TXS10..... 0 to 10V Output*
 TXS12..... 2 to 10V Output*
 TXS15..... 1 to 5V Output*

#2: Temperature Range (Required)

[32 TO 212F] ... 32 to 212°F Range
 [20 TO 120F] ... 20 to 120°F Range
 [0 TO 100F] 0 to 100°F Range
 [0 TO 100C] 0 to 100°C Range
 [-7 TO 49C]..... -7 to 49°C Range
 [-18 TO 38C].... -18 to 38°C Range

#3: Probe Length (Required)

I-2"-SS 2" (51mm) length
 I-4"-SS 4" (102mm) length
 I-8"-SS 8" (203mm) length

#4: Enclosure (Required)

BBXBAPI-Box Crossover (IP10, NEMA 1)
 BBXO** ..BAPI-Box Crossover (IP10, NEMA 1)
 BB2.....BAPI-Box 2 (IP66, NEMA 4)
 BB2O** ..BAPI-Box 2 (IP66, NEMA 4)
 WP.....Weatherproof (IP24, NEMA 3R)
 WPO** ..Weatherproof (IP24, NEMA 3R)

#5: Terminal Strip (Optional)

TS Terminal Strip Connection

*Voltage outputs are field selectable

**Outside Mount (probe out the bottom)

Example Number:

BA/(T1K)([32 TO 212F]) - (I-4"-SS) - (BBX) - ()
 BA/T1K[32 TO 212F]-I-4"-SS-BBX (no parenthesis)

Description: 4 to 20mA Transmitter, 32 to 212°F Range, 4" Probe, BAPI-Box Crossover



Your Number: BA/

