



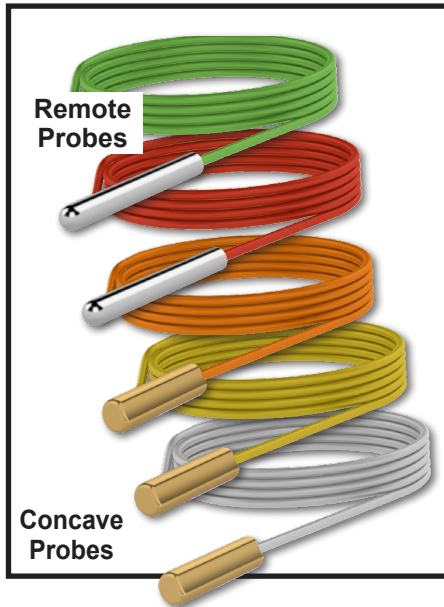
Features & Options

- Waterproof, Double Encapsulated Sensors
- Concave Probe or Remote Probes
- Optional BAPI-Box Crossover or BAPI-Box 2 Enclosure
- FEP-Jacketed Cable in 5 Color Choices

The Concave Probes feature a 1.35" long brass encapsulation shell with a concave indentation so that they fit on the outside of pipes such as condenser lines. Remote Probes feature a 1.75" long stainless steel probe without an indentation. Both probes come with FEP-jacketed cable in a choice of 5 colors and lead lengths.

Remote probes are commonly used in refrigerators, freezers, dry storage, car wash bays and other hard-to-access areas where immersion or duct sensors do not fit well.

Remote Sensors and Probes are available with a new BAPI-Box Crossover enclosure or BAPI-Box 2 Enclosure.



Specifications

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

Sensing Element:

Thermistor or RTD (See Sensors Sect. for Specs.)

Probe Material:

Remote Probe: Stainless Steel

Concave Probe: Brass

Cable: FEP-Jacketed Cable

Enclosure Material:

BAPI-Box 2: UV-resistant polycarb., UL94 V-0

BAPI-Box Crossover:

Cover: Polycarbonate, UL94 V-0

Base: Nylon, UL94 HB

BAPI-Box Crossover Enclosure Rating:

IP10, NEMA 1

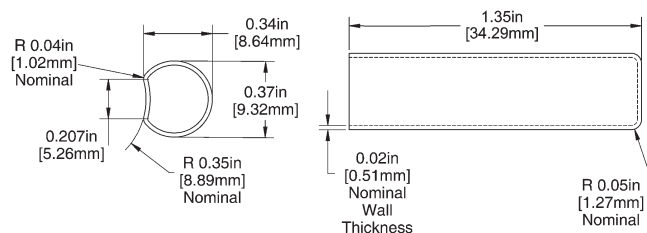
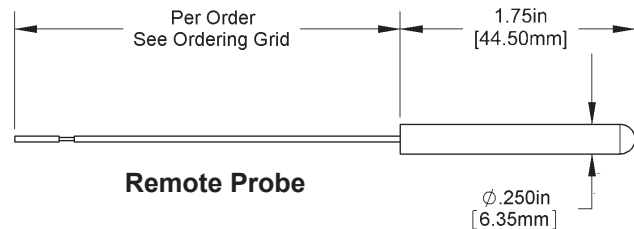
(IP44 w/ knockout plug in open port)

BAPI-Box 2 Enclosure Rating: IP66, NEMA 4X

Enclosure Dimensions: H x W x D

BAPI-Box 2: 4.9 x 2.8 x 2.4" (125 x 72 x 60mm)

BAPI-Box Crossover: 3.1 x 2.2 x 1.9" (79 x 56 x 49mm)



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





Replace the number and parenthesis with the designator for each selection in the Option Selection Guides below. 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
Remote Probe
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 Type (Required)
 RPFEP..... Remote Probe
 CPFEP..... Concave Probe

#3: Cable Color & Length (Required)
 18" Gray Cable, 18" Length
 5' Gray Cable, 5' Length
 10' Gray Cable, 10' Length
 15' Gray Cable, 15' Length
 20' Gray Cable, 20' Length
 ORG-18" Orange Cable, 18" Length
 ORG-5' Orange Cable, 5' Length
 ORG-10' Orange Cable, 10' Length
 ORG-15' Orange Cable, 15' Length
 ORG-20' Orange Cable, 20' Length

#4: Enclosure (Optional)
 BBX BAPI-Box Crossover (IP10, NEMA 1)
 BB2..... BAPI-Box 2 (IP66, NEMA 4)

ADDITIONAL CABLE COLORS: Replace "ORG" with "GRN" for Green Cable, with "YEL" for Yellow Cable and with "RED" for Red Cable.

Option Selection Guide
Remote Probe
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 Type (Required)
 RPFEP..... Remote Probe
 CPFEP..... Concave Probe

#4: Cable Color & Length (Required)
 18" Gray Cable, 18" Length
 5' Gray Cable, 5' Length
 10' Gray Cable, 10' Length
 15' Gray Cable, 15' Length
 20' Gray Cable, 20' Length
 ORG-18" Orange Cable, 18" Length
 ORG-5' Orange Cable, 5' Length
 ORG-10' Orange Cable, 10' Length
 ORG-15' Orange Cable, 15' Length
 ORG-20' Orange Cable, 20' Length

#5: Enclosure (Required)
 BBX BAPI-Box Crossover (IP10, NEMA 1)
 BB2..... BAPI-Box 2 (IP66, NEMA 4)

ADDITIONAL CABLE COLORS: Replace "ORG" with "GRN" for Green Cable, with "YEL" for Yellow Cable and with "RED" for Red Cable.
 *Voltage outputs are field selectable



Example Number: BA/(10K-2) - (CPFEP) - (ORG-5') - (BBX)

Parenthesis Removed: BA/10K-2-CPFEP-ORG-5'-BBX

Description: 10K-2 Thermistor, Concave Probe, 5' Orange Cable, BAPI-Box Crossover

Your #: BA/

