



Features & Options

- Etched Teflon Leads on Remote Sensors
- Plenum-Rated, FEP-Jacketed or Halogen-Free Cable
- Double Encapsulated Sensors on Remote Probes

BAPI Remote Sensors feature a .75" long encapsulation shell and etched Teflon leads in lengths of 6", 18", 5', 10', 15', 20', and 25'. Remote Sensors are perfect for tight locations. Additional cable options, lead lengths and probe styles are available.

Remote Probes feature a 1.75" long stainless steel probe with either Plenum-Rated Cable, FEP-Jacketed Cable or Halogen-Free Cable. Lead lengths are 18", 5', 10', 15', 20', and 25'. Remote Probes are commonly used in refrigerated case or strap-on applications. They are ideal for hard-to-access areas or spaces where the usual Immersion or Duct Sensors do not fit well. Additional cable options, lead lengths and probe styles are available upon request.

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

The BAPI-Box Crossover

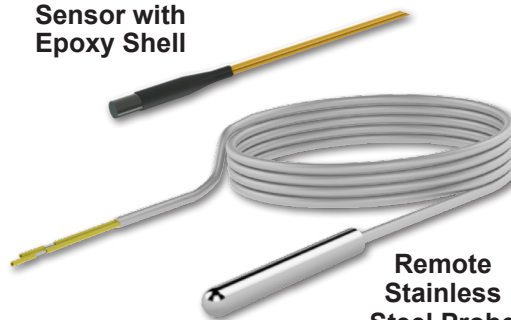
The BAPI-Box Crossover enclosure



features a hinged cover with thumb latch for easy termination. A pierceable knockout plug is available for the open port. See the Accessories for more info.

(Shown with knockout plug sold separately.)

Remote
Sensor with
Epoxy Shell



Remote
Stainless
Steel Probe



BAPI-Box 2 (BB2)

BAPI-Box
Crossover (BBX)

Specifications

Environmental Operation Range:

Temperature Sensor: -40 to 105 °C
 Units w/ Plenum-Rated Cable: -20 to 75 °C
 Units w/ Halogen-Free Cable: -40 to 90 °C
 Temperature Transmitter: -20 to 70 °C
 Humidity: 0 to 100%, non-condensing

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

Round Probe Material: Stainless Steel

Cable Types:

Remote Sensor:
 6" Leads: Etched Teflon
 18" to 25' Leads: Plenum-Rated Cable

Remote Probes (selected at time of order):
 Plenum-Rated, FEP-Jacketed, Submersible
 FEP-Jacketed or Halogen Free

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 with knockout plug in open port)

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

Enclosure Dimensions: H x W x D

BAPI-Box Crossover:
 3.1 x 2.2 x 1.9" (79 x 56 x 49mm)
 BAPI-Box 2: 4.9 x 2.8 x 2.4" (125 x 72 x 60mm)

(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)

#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: Sensor & Cable Type (Required)

PP-6" Remote Sensor, 6" Etched Teflon
PP-18" Remote Sensor, 18" Plenum
PP-5' Remote Sensor, 5' Plenum
PP-10' Remote Sensor, 10' Plenum
PP-15' Remote Sensor, 15' Plenum
PP-20' Remote Sensor, 20' Plenum
PP-25' Remote Sensor, 25' Plenum

RPP-6" Remote Probe, 6" Plenum
RPP-18" Remote Probe, 18" Plenum
RPP-5' Remote Probe, 5' Plenum
RPP-10' Remote Probe, 10' Plenum
RPP-15' Remote Probe, 15' Plenum
RPP-20' Remote Probe, 20' Plenum
RPP-25' Remote Probe, 25' Plenum

#3: Enclosure (Optional)

BBX BAPI-Box Crossover (IP10, NEMA 1)
BB2 BAPI-Box 2 (IP66, NEMA 4)

ADDITIONAL CABLE TYPES: Replace "RPP" with "RPFEP" for FEP-Jacketed Cable, with "RPFEP2" for Submersible FEP-Jacketed Cable and with "RPHALO" for Halogen-Free 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: Sensor & Cable Type (Required)

PP-6" Remote Sensor, 6" Etched Teflon
PP-18" Remote Sensor, 18" Plenum
PP-5' Remote Sensor, 5' Plenum
PP-10' Remote Sensor, 10' Plenum
PP-15' Remote Sensor, 15' Plenum
PP-20' Remote Sensor, 20' Plenum
PP-25' Remote Sensor, 25' Plenum

RPP-6" Remote Probe, 6" Plenum
RPP-18" Remote Probe, 18" Plenum
RPP-5' Remote Probe, 5' Plenum
RPP-10' Remote Probe, 10' Plenum
RPP-15' Remote Probe, 15' Plenum
RPP-20' Remote Probe, 20' Plenum
RPP-25' Remote Probe, 25' Plenum

#4: Enclosure (Required)

BBX BAPI-Box Crossover (IP10, NEMA 1)
BB2 BAPI-Box 2 (IP66, NEMA 4)

ADDITIONAL CABLE TYPES: Replace "RPP" with "RPFEP" for FEP-Jacketed Cable, with "RPFEP2" for Submersible FEP-Jacketed Cable and with "RPHALO" for Halogen-Free Cable.

*Voltage outputs are field selectable

Example Number: BA/(10K-2) - (RPP-5') - (BB2)

Parenthesis Removed: BA/10K-2-RPP-5'-BB2

Description: 10K-2 Thermistor, Remote Probe with 5' Plenum-Rated Cable, BAPI-Box 2 Enclosure

Your #: BA/

