

Clamp-On Temp Sensor

Accessories for HVAC/R

Automated Logic Clamp-On Units are designed to monitor water temperature in retrofit or filled pipe applications. They fit around the outside of a pipe, greatly reducing installation cost. They measure the water temperature by sensing the surface temperature of the pipe.

The bendable copper sensing plate forms to the curvature of the pipe. An adjustable hose clamp holds the unit in place around the pipes up to 11.4cm.

These units have etched Teflon leadwires and double encapsulated sensors and come with a steel J-Box Enclosure, a plastic BAPI-Box 4, or a plastic BAPI-Box 2 Enclosure.



Part Number	Description
NSB-10K-2-S-A	Clamp-On with 10K-2 Thermistor and J-Box Enclosure
NSB-10K-2-S-BB2-A	Clamp-On with 10K-2 Thermistor and BAPI-Box 2 Enclosure
NSB-10K-2-S-BB4-A	Clamp-On with Temperature Sensor, BAPI-Box 4 Enclosure

Specifications

Enclosure Material and Enclosure Rating:

- J-Box: Galvanized Steel, IP20, NEMA 1
- BAPI-Box 2: Polycarbonate, IP66, NEMA 4
- BAPI-Box 4: Nylon & Plastic, IP10
 - (IP44 rating with Knockout Plug)

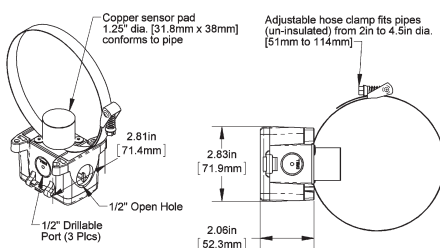
Environmental Operation Range:

- Temp. Sensor: -85 to 212°F | -65 to 100°C
- Humidity: 0 to 95%, non-condensing

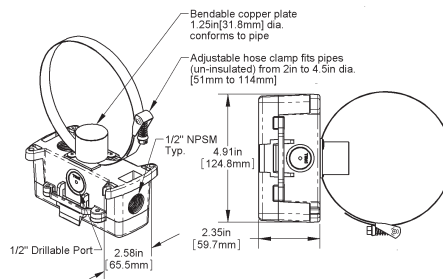
10K-2 Thermistor Sensor:

- Resistance: 10 kΩ @ 25°C, -55 to 150°C range
- Standard Accuracy: 0.2°C (±0.36°F) at 0 to 70°C
- Dissipation Constant: 2.7 mW/°C
- Stability(drift): Less than ±0.1°C (0.18°F) drift over 10 years

NSB-10K-2-S-BB2-A



NSB-10K-2-S-BB4-A



NSB-10K-2-S-A

