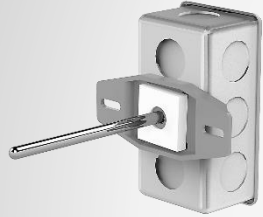
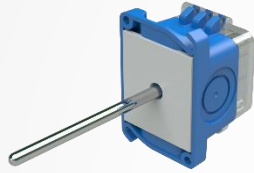


SENSORS FOR DUCT

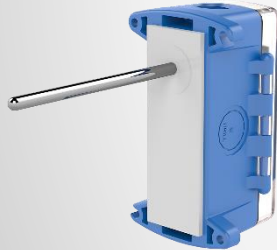
DUCT & RIGID



J-box
(Standard)



BAPI-Box
Crossover
(BBX)



BB2



No Box (NB)



J-box
(Standard)



BAPI-Box
Crossover
(BBX)



BB2



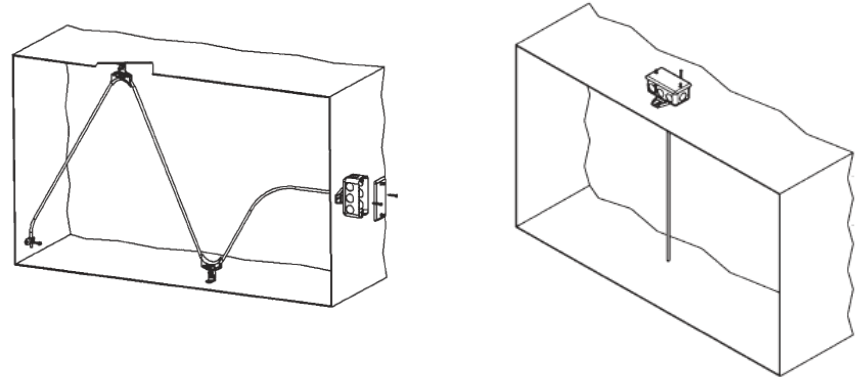
No Box (NB)

FLEXIBLE AVERAGING

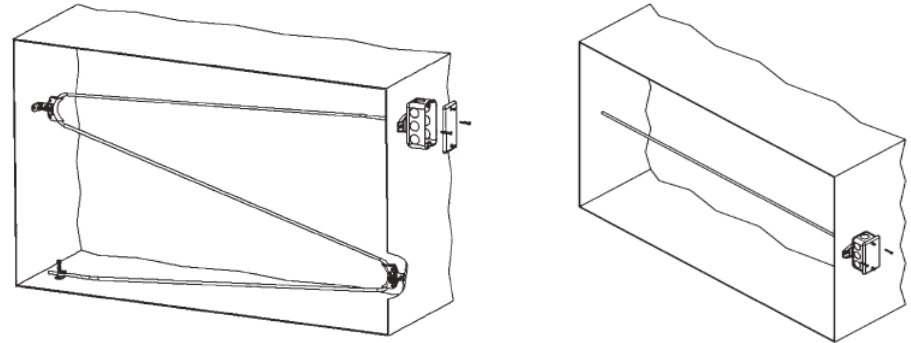
DUCT AVERAGING SENSOR

- Should be used wherever there is a chance of stratified layers of hot and cold air
- Stratification is common in the mixing chamber or section of duct where the Return Air from a room is mixed with new Outside Air
- Flexible Probe Brackets

Horizontal Stratification Installation Method

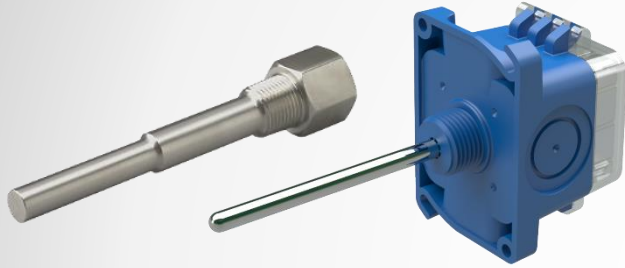


Vertical Stratification Installation Method

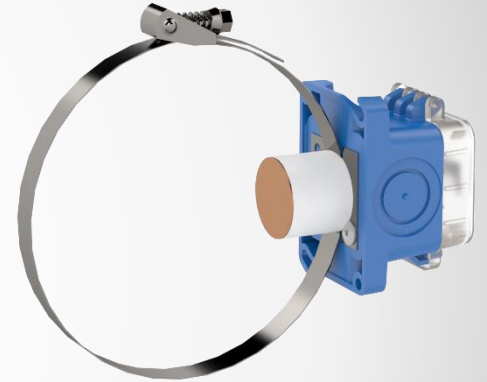


SENSORS FOR MEASURING WATER TEMPERATURE

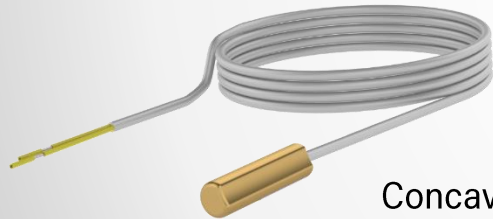
Thermowell & Immersion Sensor



Clamp Sensor



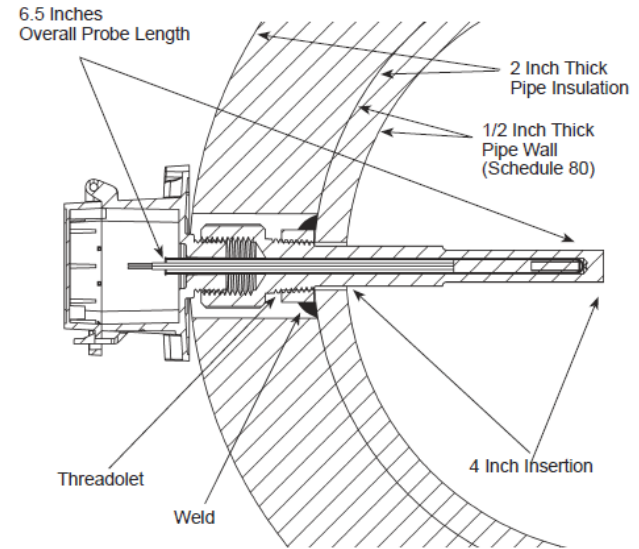
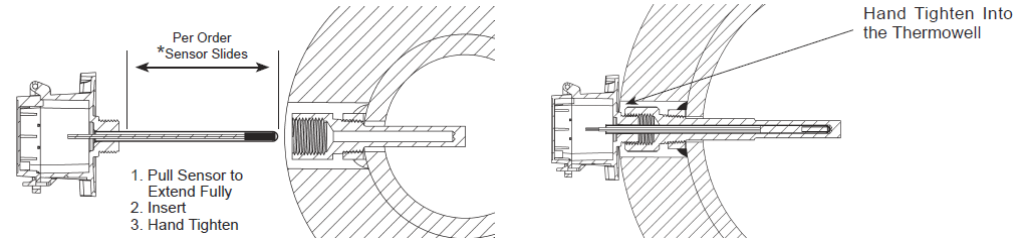
Strap Sensor



Concave Probe

THERMOWELL & IMMERSION SENSOR

- Sensor is in the media being measured
- Is thermal grease needed?
 - No, reference app note



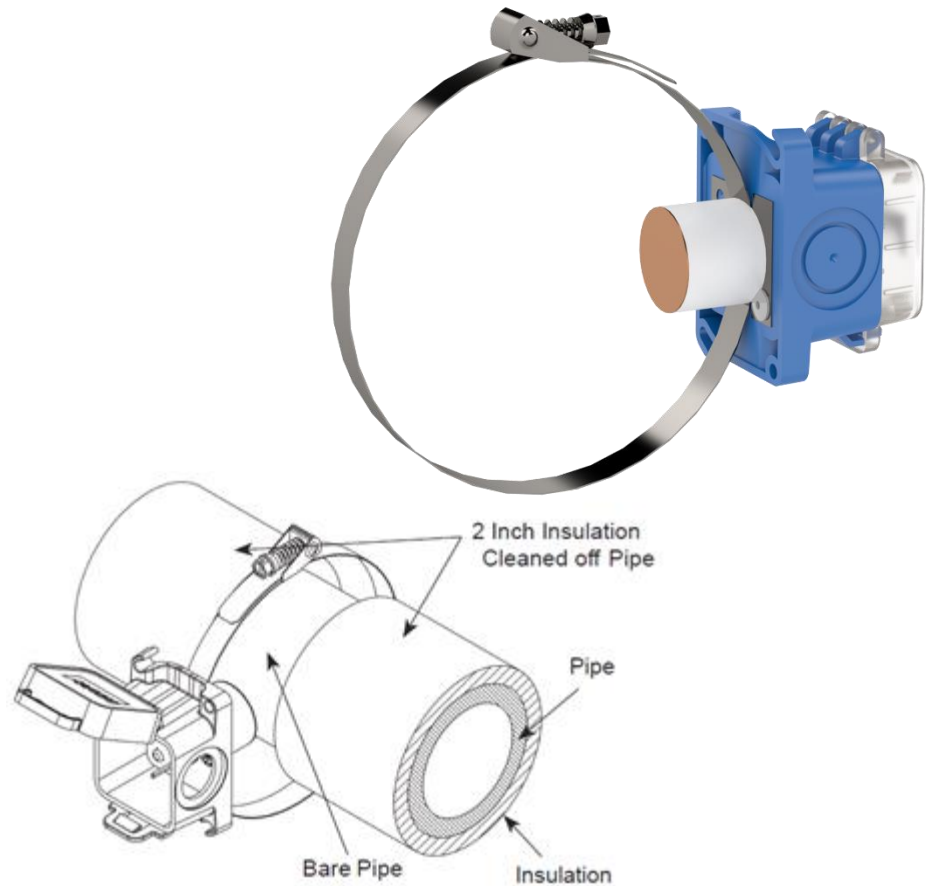
CLAMP SENSOR

Product Application

- Pipe mount temperature sensing
- Retrofit applications
 - Pipes already installed and "filled"
 - Prevents installer from having to [hot tap](#) the pipe to install a thermowell
- Insulated vs. Uninsulated pipe
 - Intended to be mounted before pipe is insulated

Value Added Features

- Sensor insulated from ambient air
- Quick connect clamp supplied with the unit



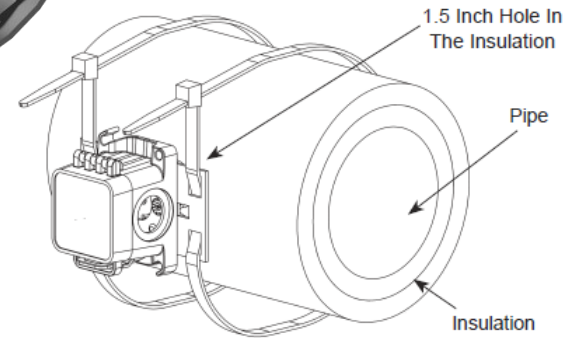
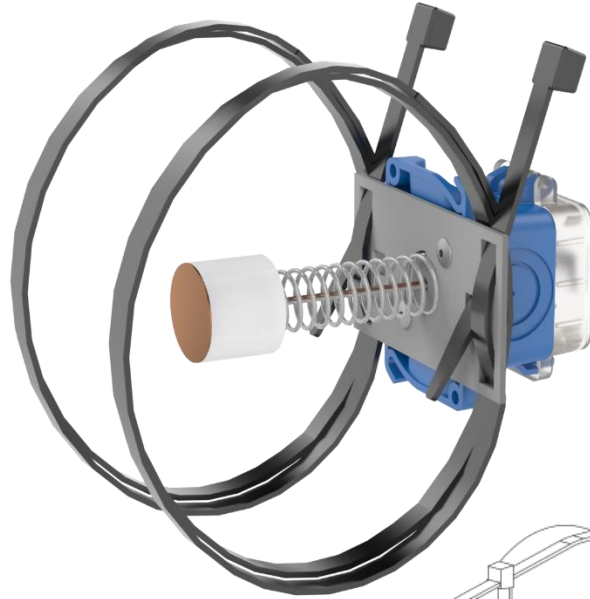
STRAP SENSOR

Product Application

- Pipe mount temperature sensing
- Retrofit applications
 - Pipes already installed and “filled”
 - Prevents installer from having to [hot tap](#) the pipe to install a thermowell
- Insulated vs. Uninsulated pipe
 - Intended to be mounted after pipe is insulated

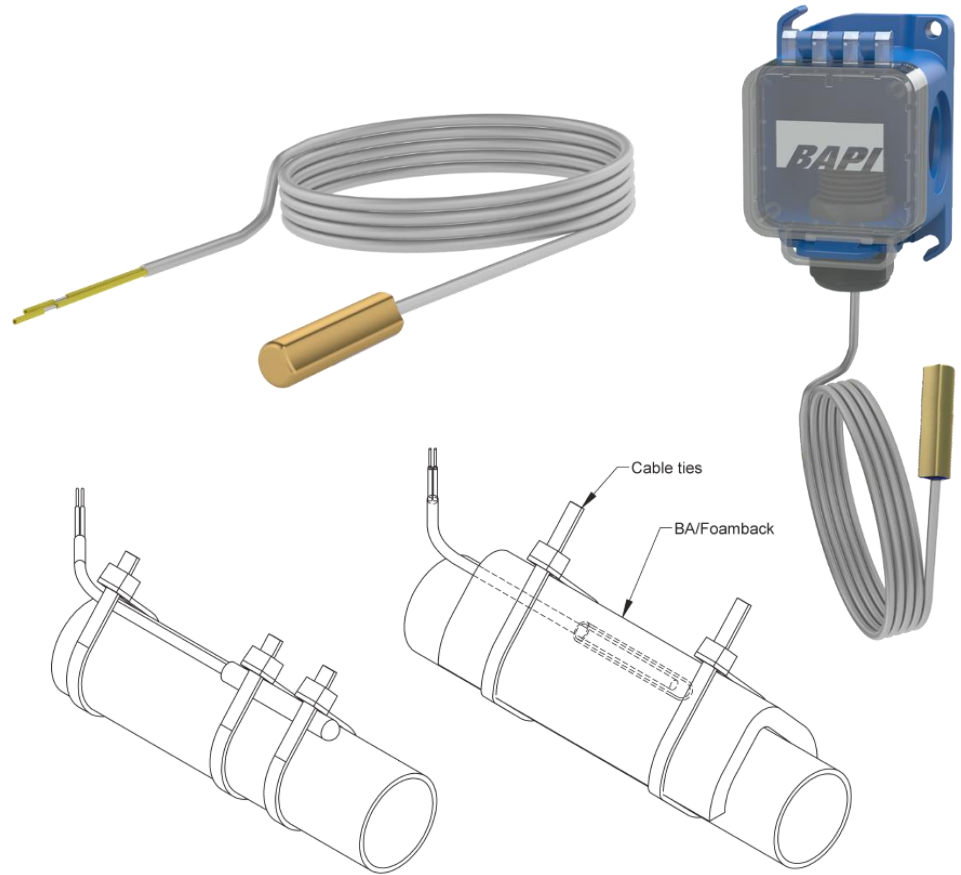
Value Added Features

- Sensor insulated from ambient air
- Quick connect ties supplied with the unit



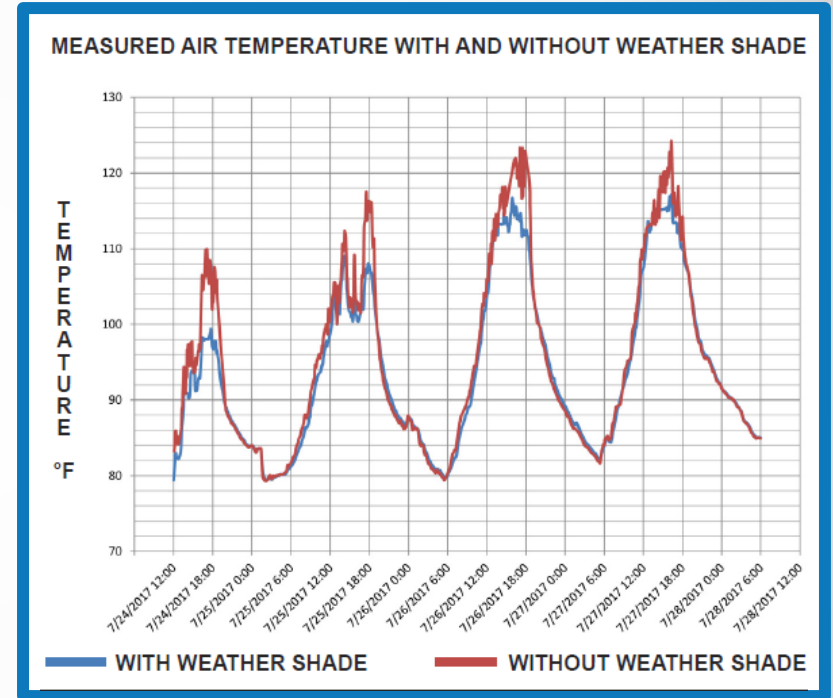
CONCAVE PROBE

- Small pipe application
- Small footprint
- Needs to be wrapped with insulation



OUTSIDE AIR & WEATHER SHADE

- UV- Resistant materials
- Improves the accuracy by reducing solar heat gain



THERMOBUFFER TEMPERATURE SENSOR

Product Application

- Freezers and coolers

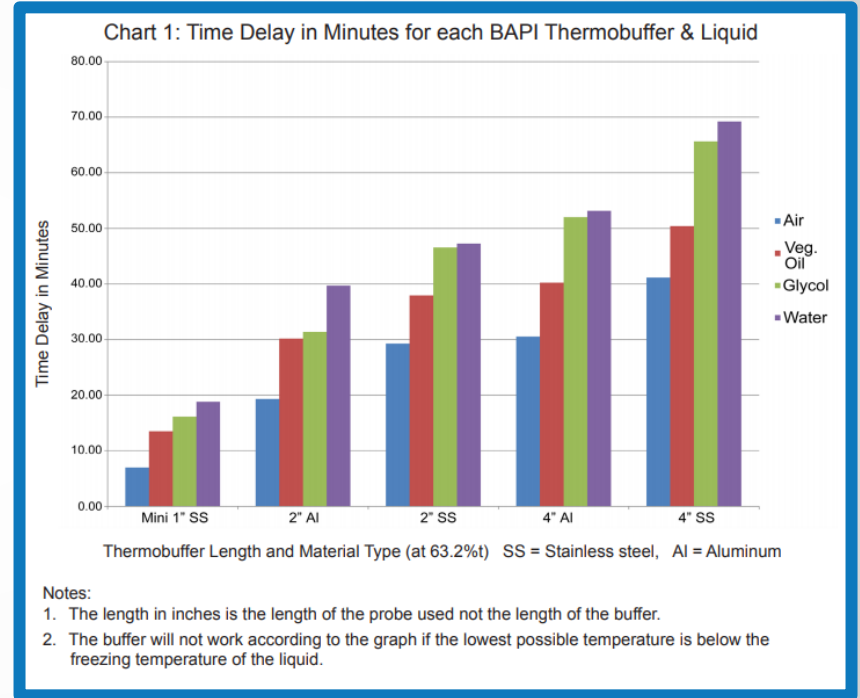
Value Added Features

- Allows you to get a temperature reading that represents the temperature of the media inside the freezer or coolers
 - Air temperature next to a freezer door can change quickly as the door opens and closes. In this case, you don't want the sensor to react quickly.



THERMOBUFFER TEMPERATURE SENSOR

- What size thermobuffer to use
- Response time delay estimates
- Different liquids and freezing points
- Thermistor accuracy only specified down to 0°C
- Use 1K RTD or temperature transmitter for temperatures below 0°C



ROOM SENSORS

Quantum Series

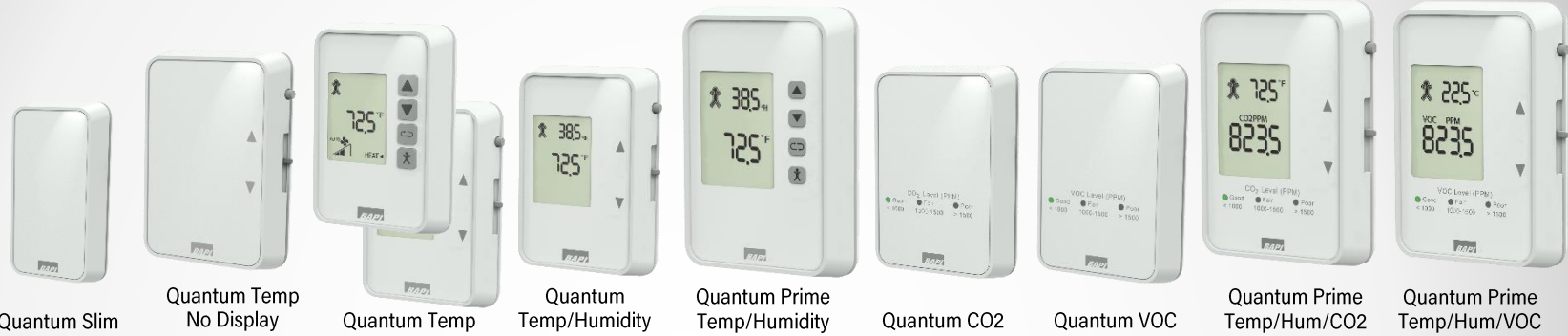


Low Profile Button Sensor

Wall Plates



THE BAPI-STAT QUANTUM SERIES



	Quantum Slim	Quantum Temp No Display	Quantum Temp	Quantum Temp/Humidity	Quantum Prime Temp/Humidity	Quantum CO2	Quantum VOC	Quantum Prime Temp/Hum/CO2	Quantum Prime Temp/Hum/VOC
Temperature	X	X	X	X	X			X	X
Humidity				X	X			X	X
CO2						X		X	
VOC							X		X
Temp Setpoint		X	X	X	X			X	X
Humidity Setpoint					X				
Override		X	X	X	X			X	X
Display			X	X	X			X	X

QUANTUM CONFIGURATIONS

Field Configurable Options

- Each unit with display has programming page parameters that can be modified
 - Temperature or humidity offset
 - Setpoint lockout
 - Display resolution (whole digits, 0.5°, 0.1°)
 - Temperature setpoint output range
- Dip Switch between °F and °C



QUANTUM PRIME TEMP/HUMIDITY

Ideal for hospital operating rooms, clean rooms, and elder care facilities

- Wipedown keypad membrane
- Large display

Optional Outputs

- Temperature
- Humidity
- Temperature Setpoint
- Humidity Setpoint
- Override



LOW PROFILE BUTTON SENSOR & WALL PLATES



Low Profile Button Sensor

- Small flush mount
- Paintable
- Ideal for aesthetically sensitive environments
- Insulated from wall temperature



Wall Plates

- Flush mount
- Ideal for rugged environments
- Available in several materials and colors
- Optional rotary setpoint or override
- Insulated from wall temperature