

Standard Probes & Assemblies

CLIP-ON TEMPERATURE SENSOR

Features:

- Simple installation
- Low cost design
- Fast response, excellent thermal tracking
- Can accommodate a wide array of thermistor values
- For direct application to pipe surfaces
- Ideal for use in refrigeration cases, inlet or outlet refrigerant sensing in A/C applications
- Rugged, all-metal construction for 3/8" or 1/2" OD copper tubing
- Standard cable length is 10ft.
- Standard housing is 0.25" OD stainless steel

Options:

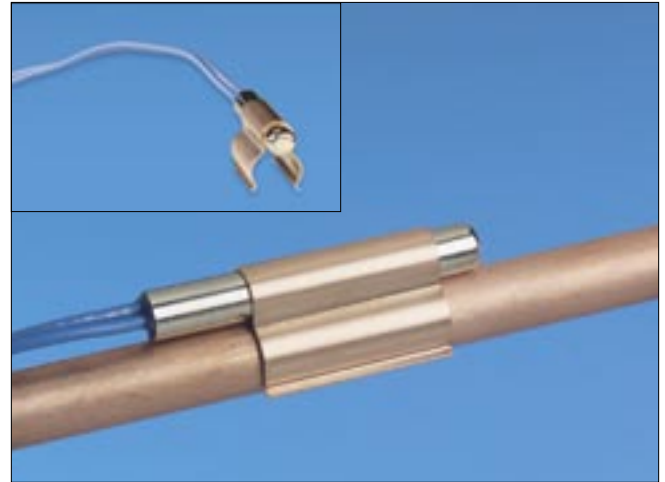
- Thermistor values, tolerances and accuracies
- Cable length and color

Description:

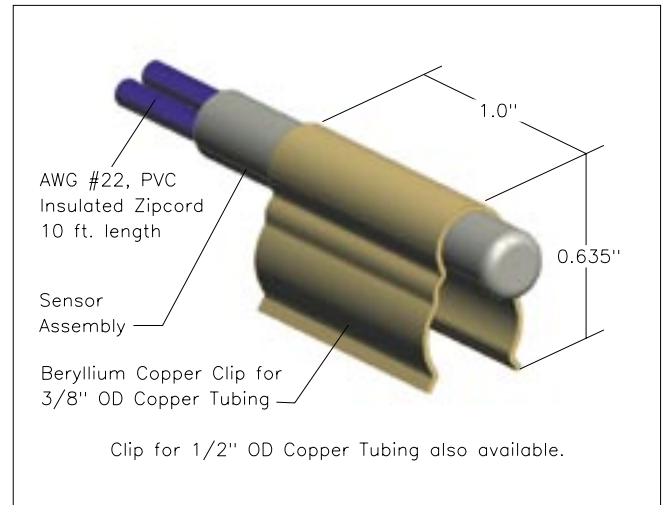
Many HVAC and refrigeration applications require a sensor that can monitor the temperature of standard 3/8" or 1/2" OD copper tubing. ATP's clip-on temperature sensor is the ideal product for these applications. It's the perfect combination of high accuracy, fast response time, rugged construction, and ease of installation.

Since condensing moisture is common in these applications, our clip-on sensor utilizes the ATP moisture resistant internal construction in a 0.25" diameter stainless steel housing. A beryllium copper spring clip performs dual functions. It holds the sensor rigidly in place on the tube while providing an excellent thermal connection from the copper tube to the sensor. The design of the clip allows the housing to be easily installed onto a straight section of 3/8" or 1/2" copper tubing and to remain snug even after numerous removals and installations.

Please contact the factory to discuss your specific application or to discuss the availability of any options.



Clip-On Temperature Assembly



Ordering Information

ATP Part Number	R ₂₅ (Ω)	Material Curve	Wire Color
D2253CS22P0-3	2,252	Z	Orange
D3003CS22P0-3	3,000	Z	Purple
D5003CS22P0-3	5,000	Z	Blue
D1004CS22P0-3	10,000	Z	Black

Standard resistance tolerance is $\pm 2\%$ at 25°C.

Resistance versus temperature information for material curve Z can be found on page 57.

For clip-on assembly for 1/2" copper tubing change -3 to -4 in part number.