The Model 657-1 Transmitter provides two 4 to 20 mA channels to produce separate output signals for both relative humidity and temperature. This inexpensive device delivers ±2% accuracy for humidity and ±1°F for temperature measurements. The sensor employed in the 657-1 features a state-of-the-art integrated polymer film humidity sensor and a thin-film platinum temperature sensor to assure high reliability and rock-solid stability over years of continuous service. Stainless steel probe measures 5/16” x 10” (0.8 x 24.4 cm) and can be easily mounted to most ductwork using either of the two optional kits below.

Model 657-1, RH/Temperature Transmitter

SPECIFICATIONS
Service: Humidity & temperature detection in air.
Range: Relative humidity: 0 to 100%; Temperature: 32 to 212°F (0 to 100°C).
Accuracy: Relative humidity: ±2% (10 to 90% RH), ±3% (0 to 10% and 90 to 100% RH); Temperature: ±1°F (0.5°C).
Temperature Limits: 32 to 212°F (0 to 100°C).
Pressure Limits: 1 psi (.07 bar).

Compensated Temperature Range: 32 to 140°F (0 to 60°C).

Power Requirements: 10 to 35 VDC.

Output Signal: 2 channels each 4 to 20 mA. Loop powered on the RH channel.

Electrical Connections: 4 screw type terminal.

Mounting Orientation: Mount in any position.

Probe: 5/16” x 10” (0.8 x 24.4 cm) stainless steel.

Weight: 5.5 oz (156 g).

OPTION
For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 657C-1-NIST.

The Model 657C-1 Transmitter provides two 4 to 20 mA channels to produce separate output signals for both relative humidity and temperature. This inexpensive device delivers ±2% accuracy for humidity and ±1°F for temperature measurements. The sensor employed in the 657C-1 features a state-of-the-art integrated polymer film humidity sensor and a thin-film platinum temperature sensor to assure high reliability and rock-solid stability over years of continuous service. Stainless steel probe measures 5/16” x 9-1/10” (0.8 x 23.1 cm) and can be easily mounted to most ductwork using either of the two optional kits below.

Model 657C-1, RH/Temperature Transmitter

SPECIFICATIONS
Service: Humidity & temperature detection in air.
Range: Relative humidity: 0 to 100%; Temperature: 32 to 212°F (0 to 100°C).
Accuracy: Relative humidity: ±2% (10 to 90% RH), ±3% (0 to 10% and 90 to 100% RH); Temperature: ±1°F (0.5°C).
Temperature Limits: 32 to 140°F (0 to 60°C).
Pressure Limits: 1 psi (.07 bar).

Compensated Temperature Range: 32 to 140°F (0 to 60°C).

Power Requirements: 10 to 35 VDC.

Output Signal: 2 channels each 4 to 20 mA. Loop powered on the RH channel.

Electrical Connections: 4 screw type terminal.

Mounting Orientation: Mount in any position.

Probe: 5/16” x 9-1/10” (0.8 x 23.1 cm) stainless steel.

Weight: 10 oz (284 g).