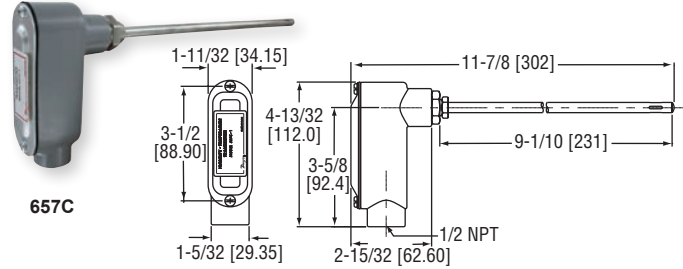
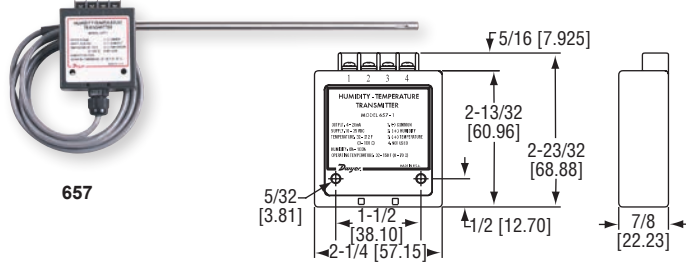


SERIES 657

RELATIVE HUMIDITY/TEMPERATURE TRANSMITTER

Dual Channel Design for Simultaneous 4 to 20 mA Output Signals



The **SERIES 657** Transmitters provide two 4 to 20 mA channels to produce separate output signals for both relative humidity and temperature. These devices deliver $\pm 2\%$ accuracy for humidity and $\pm 1^\circ\text{F}$ for temperature measurements. Stainless steel probe can be easily mounted to most ductwork using either of the two optional kits below.

FEATURES/BENEFITS

- Polymer film humidity and thin film RTD temperature sensors offer highly reliable and stable measurements.
- Remote mount housing offers installation flexibility (657-1)
- Rugged die-cast aluminum housing is great for industrial applications (657C-1)

APPLICATIONS

- Cleanroom monitoring
- HVAC/building control monitoring

MODEL CHART

Model	Description
657-1	RH/temperature transmitter
657C-1	RH/temperature transmitter - conduit housing

ACCESSORIES

Model	Description
A-158	Split flange
A-159	Mounting gland



A-158



A-159

SPECIFICATIONS

Service: Dry clean air.

Range: Relative humidity: 0 to 100%; Temperature: 32 to 212°F (0 to 100°C).

Accuracy: Relative humidity: $\pm 2\%$ (10 to 90% RH), $\pm 3\%$ (0 to 10% and 90 to 100% RH); Temperature $\pm 1^\circ\text{F}$ (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 terminals.

Mounting Orientation: Mount in any position.

Probe: 657-1: Stainless steel 5/16" x 10" (0.8 x 25.4 cm); 657C-1: 5/16" x 9-1/10" (0.8 x 23.1 cm).

Weight: 657-1: 5.5 oz (156 g); 657C-1: 10 oz (284 g).

OPTION

To order add suffix:	Description
-NIST	NIST traceable humidity calibration certificate
Example: 657C-1-NIST	