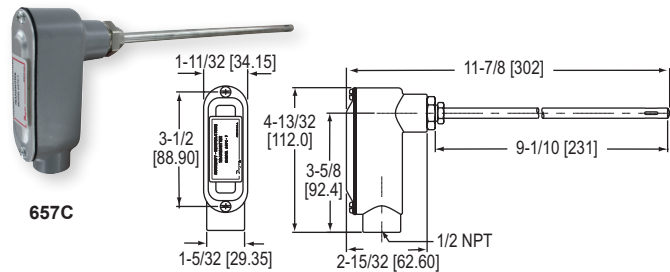
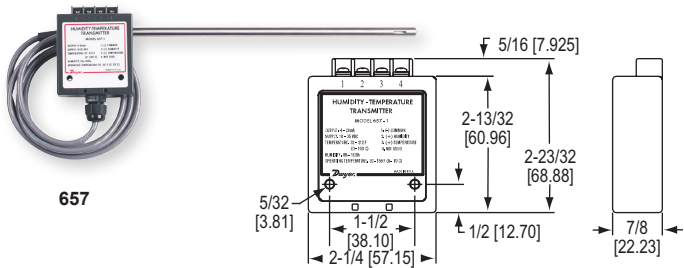


# RELATIVE HUMIDITY/TEMPERATURE TRANSMITTER

## Dual Channel Design for Simultaneous 4 to 20 mA Output Signals

Humidity/Temperature Transmitters



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

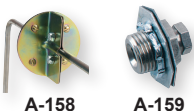
- Polymer film humidity and thin film RTD temperature sensors offer highly reliable and stable measurements.
- Remote mount housing offers installation flexibility (657-1)
- Rugged die-cast aluminum housing is great for industrial applications (657C-1)

### APPLICATIONS

- Cleanroom monitoring
- HVAC/building control monitoring

MODEL CHART		
Model	Description	Price
657-1	RH/temperature transmitter	\$288.00
657C-1	RH/temperature transmitter - conduit housing	319.00

ACCESSORIES		
Model	Description	Price
A-158	Split flange	\$13.75
A-159	Mounting gland	28.00



### 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).

### OPTIONS

To order add suffix:	Description	Price
-NIST	NIST traceable humidity calibration certificate	\$121.00
Example: 657C-1-NIST		