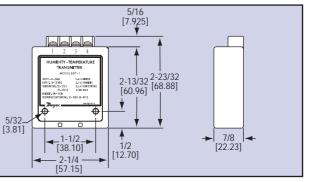


## TRANSCAT<sup>®</sup> Visit us at Transcat.com! oint Drive // Rochester, NY 14624 // Call 1.800.800.5001 <sup>Model</sup> <sup>657-1</sup> Relative Humidity/Temperature Transmitter Dual Channel Design for Simultaneous 4-20 mA Output Signals





Humidity & Air Quality

The Model 657-1 Transmitter provides two 4-20 mA channels to produce separate output signals for both relative humidity and temperature. This inexpensive device delivers  $\pm 2\%$  accuracy for humidity and  $\pm 1^{\circ}$ 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

ACCESSORIES A-158, Split Flange Mounting Kit A-159, Duct Mounting Gland

## SPECIFICATIONS

Service: Humidity & temperature detection in air.

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

Accuracy: Relative Humidity: ±2% (10-90% RH), ±3% (0-10% and 90-100% RH); Temperature: ±1°F (0.5°C).

Temperature Limits: 32 to 158°F (0 to 70°C).

Pressure Limits: 1 psi (.07 bar).

Compensated Temperature Range: 32 to 158°F (0 to 70°C).

Power Requirements: 10-35 VDC.

Output Signal: 2 channels each 4-20 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 25.4 cm) stainless steel. Weight: 5.5 oz (156 g).