

Thermal Dispersion Airflow and Airflow/Temperature Measurement

The IAT Series use the principal of thermal dispersion to determine the airflow rate. Thermal dispersion is ideal for HVAC applications that typically require measurement of low air velocities. Each sensing node uses two thermistors to determine airflow. One thermistor is self-heated above ambient while a second thermistor determines the ambient air temperature. The power dissipated into the airstream is directly related to the airflow rate.

The IAT Series is compatible with many GreenTrol Automation transmitters and controllers.

IAT-DI Airflow/Temperature Probe

The IAT-DI probe (-DI suffix on the transmitter or controller model code) is designed for insertion into small round ducts and is available with a 3, 10, 25 or 50 foot plenum rated cable with connector plug. Available in aluminum or stainless steel. Fits 4 to 16 inch round ducts.



IAT-UI Airflow/Temperature Probe

The IAT-UI probe (-UI suffix on the transmitter or controller model code) is designed for insertion into ducts or other air paths and is available with a 10, 25 or 50 foot plenum rated cable with connector plug. Available in aluminum only. Universal, adjustable length tube, is available in 6, 8 and 16 inch probe lengths. Installed accuracy is based on the size of opening and application (typically less than or equal to 8 sq.ft.).



IAT-US Airflow/Temperature Probe

The IAT-US probe (-UI suffix on the transmitter or controller model code) is designed for insertion into outdoor air intakes, plenums or other air paths and is available with a 10, 25 or 50 foot plenum rated cable with connector plug. Available in aluminum only. Universal, adjustable length tube can be rotated on its mounting bracket. Probes are available in 6, 8 and 16 inch lengths. Installed accuracy is based on the size of opening and application (typically less than or equal to 8 sq.ft.).

