

# ELECTRA-flo™



The **ELECTRA-flo** has been engineered to provide reliable and accurate airflow measurement in both new and retrofit HVAC applications. The **ELECTRA-flo** employs proprietary thermal dispersion measurement technology, which correlates airflow to the heat transfer rate of a heated sensor in the air stream.

The thermal dispersion signal from each sensor is measured by a microprocessor based transmitter, which converts the sensor output to actual air velocity and/or flow. Each **ELECTRA-flo** system uses a high density of sensors for accurate airflow profiling with limited straight duct run.

**2006 NEW  
PRODUCT RELEASE**

- ◆ 2% of reading measurement accuracy
- ◆ 0 to 5000 FPM airflow measurement range
- ◆ Individual sensor self-diagnostics
- ◆ Fully field serviceable sensors
- ◆ Rugged, anodized probe construction
- ◆ Optional LonWorks communication protocol
- ◆ Dual isolated analog outputs (4-20mA or 0-10VDC) for airflow and temperature
- ◆ High visibility LCD can be mounted up to 200' from station or probe array
- ◆ Selectable display of individual sensor velocity and temperature
- ◆ Password protected membrane keypad for easy access to all transmitter functions
- ◆ Up to 32 measurement points per station or probe array
- ◆ Insertion probe, fan inlet and station mounted, to suit application requirements
- ◆ Optional integral honeycomb cell for stations located in highly disturbed airflow
- ◆ CFD and wind tunnel optimized sensor aperture design ensures accurate airflow measurement in angular flow conditions

***Accurate airflow measurement for demanding applications***

