RUSKIN
AUTHORITY IN AIR CONTROL

Advanced Thermal Dispersion Airflow and Temperature Measuring System

Ruskin® **model TDP05K** measures and displays airflow and temperature using up to 128 sensing points per air measuring station. The TDP05K's surface-mounted, moisture resistant flex sensors are designed for long life, even in the worse environments.

The TDP05K eliminates:
· the transmitter box
· fixed length proprietary cables and
· fragile bead-in-glass sensors

The complete air measurement station, as shown above, has one primary probe. For larger openings additional ancillary probes are supplied as required or for air measurement in locations which are less than ideal, where more sensing points can make any bad location better. The TDP05K is the correct solution for many air measurement application. Installation options include insertion, internal mount or stand-off mounting brackets for rectangular ducts or openings. Insertion mount for round, or oval duct. **Note:** Available in combination with any Ruskin model control damper as the Ruskin Airflow-IQ.

Contact your *Ruskin®* representative for assistance selecting the options and features to specify for your next your project!

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SPECIFICATIONS

INSTALLATION

We have eliminated the transmitter box and home run special cables of fixed length attached to each probe. The primary can be located on the end of the probe or remotely located up to 500 feet away as a wired primary. The TDP05K has the industry's only Airfoil-shaped air measurement probes for lower pressure drop. Easier commissioning with out-of-the-box accuracy, and factory configured to display CFM.

Simple probe-to-probe wiring reduces installation costs. No more bulky connectors have to be pulled through the conduit. The TDP05K system is fitted with Phoenix plugs with screw terminal connections. Pin-protected menu means no removal of covers or screws.

STANDARD FEATURES

- ▶ Analog outputs and an RS-485 interface for BACnet MS/TP or Modbus RTU is standard
- ▶ Lowest power consumption thermal dispersion device available
- ▶ Tool-free one touch setup through PIN protected user interface on primary
- ▶ Stainless steel mounting hardware
- ▶ Standard cabling, no proprietary cables
- ▶ Airfoil-shaped, acid-etch clear anodized sensing probes featuring lower pressure drop and less noise
- ▶ Highest density thermal dispersion sensing array - up to 128 sensing points!
- ▶ Standard NEMA 1 or optional NEMA 4 enclosure for outdoor applications
- ▶ Third-party verified FCC, UL, BTL, AMCA and ISO 9001
- ▶ Synapse wireless graphic user interface

Primary

One primary per air measurement station. Provides user interface and automation interface. Can be ordered on the end of one probe or as a remote wired up to 500 feet away

Ancillary

Any number of ancillary probes as necessary based on the size of the opening or location

Remote

The optional Remote GUI User Interface is available as wireless or wired display and duplicates the menus of the primary