AER Models with integral Air Flow Measurement Sensor and Transducer providing 0-10v output signal proportional to the measured Air Flow.

Description

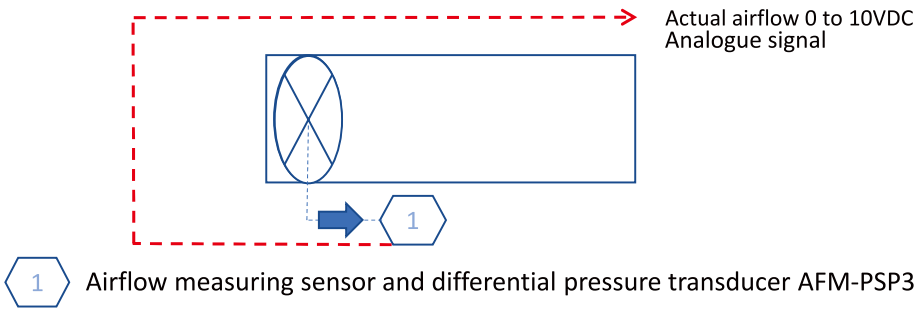
Barcol-Air Airflow Measurement Stations are supplied complete with Barcol-Air factory assembled and calibrated high accuracy Flo-cross air flow sensors to ensure accurate air flow measurement. They are also complete with integral pressure transducer to provide a 0 to 10v output signal directly proportional to the measured airflow. Each Air Flow Station is factory assembled, tested, and calibrated and shipped ready for operation.

Control Functions Includes:

- Barcol-Air high accuracy Flo-Cross sensor for airflow measurement with minimum 2x12 sensing points, signal amplification and signal averaging providing sensing accuracy of better than ± 2.5% in its operating range to insure accurate flow measurement.
- The Airflow Measurement Stations include an integral static type air measurement pressure transducer.
- Measured Airflow signal - Analogue output signal (0 to 10VDC) proportional to the measured airflow.
- Nominal power requirements: 24VAC/24VDC, 2VA.

Control Schematic

Air Flow Measurement Station with integral Air Flow measuring sensor and differential pressure transducer AFM-PSP3



VAV Terminal Features

- Galvanised steel bodies with optional polyester powder paint finish or stainless-steel body for enhanced corrosion resistance.
- Low casing air leakage:
  -AER series casing leakage class C according to Standard En1751.

Options & Accessories

- Power transformer 230VAC to 24VAC.
- Accessory remote display unit for air flow percentage OPA-S.
- Honeycomb Air Straightener
  - Aluminium Honeycomb grade 3003.
  - Depth - 25mm or 50mm.
  - Thickness - 0.06mm.
  - Hexagonal cells - side length 4mm.

AFM-PSP3 with optional
Honeycomb Air Straightener