

SECTION 230500 – AIR-FLOW MEASURING DEVICES

1.0 Airflow Measuring Stations:

- A. Design airflow measuring stations in all VAV systems to control fan speed via DDC system and variable frequency drives.
- B. Each air handling/return air fan shall be designed with three (3) measuring stations; one (1) each in the supply, return and outdoor air ductwork.
- C. The stations shall interface with the DDC system, which will index the supply and return air fans as required.
- D. The metering devices shall be located to read flows from a minimum of 15% to 110% of design airflow with an accuracy of $\pm 5\%$ or better. The manufacturer shall be consulted regarding device locations and anticipated air velocity profiles at the inlets to the stations. The measuring devices should use hermetically sealed “bead in glass” thermistors technology as manufactured by EBTRON (Gold Series Model).