



MODEL SP AIR FLOW SENSOR

Flow Measurement Technologies Inc.

Proven Technology Since 1985

SP0807

Flow Measurement Technologies Inc. offers the Model SP electronic airflow measurement sensor for use in small HVAC ductwork. The Model SP is factory assembled and wired, ready to be inserted into the ductwork. The installer provides 24VDC power and then connects it to the control system and the flow sensor is ready to operate.

Applications For the Model SP

- Variable Volume Monitoring
- Highly Accurate Flow Sensors
- Zone Duct Control
- Outside Air Intakes
- Exhaust Air Systems
- Fan Tracking
- Small Ductwork



Features

- Solid-state electronics
- Field Replaceable Sensors
- Stainless Steel Sensing Elements
- Thermal Sensing Probes
- Wide Range of Flow
- NIST Traceable Calibration
- Factory Calibrated
- One or Two Sensors On One Strut
- Strut Is Factory Wired
- Low Energy Consumption
- Robust Construction
- NEMA 4 Electronic Enclosure
- Installs in Minutes
- A Very Affordable and Highly Accurate Air Flow Sensor

Ordering Data

Model SP 1 x _____

Number of Struts: Max (1) _____
Number of sensors per strut: Max (2) _____

Design Air Flow: (CFM _____) (m/s _____)
Output: (0-5 _____), (0-10vdc _____), (4-20 mA _____)
Duct Size (IP _____), (SI _____): _____H x _____W or Diameter: _____

TECHNICAL SPECIFICATIONS

OUTPUT: LINEAR
ACCURACY: +/- 2% OF READING +/- 1/2% OF FS
REPEATABILITY: +/- 1/2%
PRESSURE DROP: LESS THEN .01" w.c. @ 5000 FPM BASED ON 1 SENSOR PER SUARE FOOT
OPERATING TEMPERATURE RANGE
STANDARD: 0° to 150°F
OPTIONAL: -40° TO 120°F
OPERATING HUMIDITY RANGE: 0-99% RH
VELOCITY RANGE: 0-5000 FPM
RESPONSE TIME: 100MS
OUTPUT: 0-5vdc, 0-10vdc or 4-20Ma
INPUT POWER: 24 VDC 8 Watts Maximum (2 Probe System)
SUPPORT STRUT: ALUMINUM
VELOCITY SENSOR: 304 STAINLESS STEEL
TEMPERATURE SENSOR: 304 STAINLESS STEEL
PROBES: TEMPERATURE COMPENSATED, FIELD REPLACEABLE & CLEANABLE
WARRANTY: 2 YEARS, ALL PARTS