

WebiSmarts System

Measuring Range: 0 to 15 m/sec (0 to 2,952 ft/min)

ROTEM RadMon Stack Flow Meter PCAT: P5451GQ

Radiation Detection Division

WebiSmarts utilizes an air velocity transmitter to calculate and display the flow rate of effluent through the exhaust stack and thereby create historical graphs of concentration and a report of activity released between two dates.

The Series 641 Air Velocity Transmitter is the ideal instrument for monitoring air flow. This transmitter uses a heated mass flow sensor which allows for precise velocity measurements at various flow rates and temperatures. The 641's 16 field selectable ranges provides it the versatility to be selected for several air flow applications. The LED produces a complete, low-cost solution for local indication of air flow.



Features

- Bright LED display
- Easy push button set-up

Air Velocity Meter

Includes:

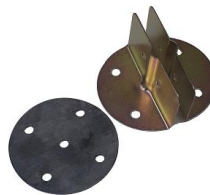
Flow Meter



Flowmeter Cable 30 m



Flow Meter Bracket



Related Products

GM-41 Detector
P5451GF



GM-42 Detector
P5451GP



PM-11 Detector
P5451GN



Neutron Detector
P5451GM



Service: Clean air and compatible, non-combustible gases.

Accuracy: 3% FS Process gas: 32 to 122°F (0 to 50°C); 4% FS Process gas: -40 to 32°F & 122 to 212°F (-40 to 0°C & 50 to 100°C).

Response Time: Flow: 1.5 s to 95% of final value (output filter set to min.).

Temperature Limits: Process: -40 to 212°F (-40 to 100°C). Ambient: 32 to 140°F (0 to 60°C).

Pressure Limit: 100 psi (6.89 bar) maximum.

Humidity Limit: Non-condensing.

Power Requirements: 12 to 35 VDC, 10 to 16 VAC. 1.5 A rating required on supply due to initial power surge drawn by transmitter.

Output Signal: 4 to 20 mA, isolated 24 V source, 3 or 4-wire connection.

Output Filter: Selectable 0.5-15 s.

Loop Resistance: 600 Ω max.

Current Consumption: 300 mA max.

Electrical Connections: Screw terminal.

Process Connections: 1/2" male NPT.

Enclosure Rating: Designed to meet NEMA 4X (IP66) for non LED models only.

Mounting Orientation: Unit not position sensitive. Probe must be aligned with airflow.

Weight: 357.2 g (12.6 oz).

Agency Approvals: CE.

Display: 4-1/2 digit 1/2" red LED.

Resolution: 1 FPM, 0.01 MPS (10 FPM @ 10,000 and 15,000 FPM ranges).

Weight: 377 g. (13.3 oz)

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