The new 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 optional LED produces a complete, low-cost solution for local indication of air flow.

FEATURES
• Ranges to 15,000 FPM or 75 MPS
• Optional bright LED display
• Easy push button set-up
• Compact housing
• 4 to 20 mA output
• Digital filter for signal damping

APPLICATIONS
• Exhaust stack flow monitoring
• Air control in drying processes
• HVAC air velocity measurements
• Fan supply and exhaust tracking

SPECIFICATIONS
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 seconds to 95% of final value (output filter set to minimum).
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. 1.5A rating required on supply due to initial power surge drawn by transmitter.
Output Signal: 4 to 20 mA, isolated 24V source, 3 or 4-wire connection.
Output Filter: Selectable 0.5 –15 (seconds).
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 enclosures.
Agency Approval: CE.

OPTIONAL DISPLAY VERSION:
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: 13.3 oz (377 g).

ACCESSORIES
A-156, Universal Mounting Plate 1/2" female NPT .......................... $15.50
A-158, Split Flange Mounting Kit ............................................ 13.75
A-159, Duct Mounting Gland .................................................. 28.00
641-LED, Field-upgradeable LED ........................................... 130.00

OPTION
For NIST traceable calibration certificate, add suffix -NIST to model numbers. Example: 641-6-NIST ........................................... $215.00
① Items are net priced and are not subject to any discount.