



Air Velocity Transmitter
High Accuracy, Field Selectable Ranges

Models Select Chart

EXAMPLE	641	6	LED	Series 641 Air Velocity Transmitter, 6" probe, with LED display.
SERIES	641			Air Velocity Transmitter
PROBE LENGTH		6 12 18 24 30 36		6" 12" 18" 24" 30" 36"
OPTIONS			AT LED NIS T ST	Aluminum Tag LED Display NIST Certificate of Calibration Stainless Steel Tag

Accessories

Model	Description
A-156	Flange mounting plate with 1/2" female NPT.
A-158	Split flange.
A-159	Mounting gland with 1/2" male NPT.
641-LED	Field-upgradeable LED.

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 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	:	12.6 oz (357.2 g).
Agency Approvals	:	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).