



Air Velocity Transmitter

3% and 5% Models, Optional BACnet or Modbus® Communication Protocols

Models Select Chart

Model	Description
AVUL-3DA1	Air velocity transmitter, 3% accuracy, duct mount, universal current/voltage outputs
AVUL-3DA1-LCD	Air velocity transmitter, 3% accuracy, duct mount, universal current/voltage outputs with LCD
AVUL-3DB1	Air velocity transmitter, 3% accuracy, duct mount, BACnet communications
AVUL-3DB1-LCD	Air velocity transmitter, 3% accuracy, duct mount, BACnet communications, with LCD
AVUL-3DM1	Air velocity transmitter, 3% accuracy, duct mount, Modbus® communications
AVUL-3DM1-LCD	Air velocity transmitter, 3% accuracy, duct mount, Modbus® communications, with LCD
AVUL-5DA1	Air velocity transmitter, 5% accuracy, duct mount, universal current/voltage outputs
AVUL-5DA1-LCD	Air velocity transmitter, 5% accuracy, duct mount, Universal current/voltage outputs, with LCD
AVUL-5DB1	Air velocity transmitter, 5% accuracy, duct mount, BACnet communications
AVUL-5DB1-LCD	Air velocity transmitter, 5% accuracy, duct mount, BACnet communications, with LCD
AVUL-5DM1	Air velocity transmitter, 5% accuracy, duct mount, Modbus® communications
AVUL-5DM1-LCD	Air velocity transmitter, 5% accuracy, duct mount, Modbus® communications, with LCD

Specifications:-		
Service	:	Clean air and compatible, non-combustible gases.
Wetted Materials	:	Consult factory.
Range	:	1000, 2000, 3000, 4000 FPM (5, 10, 15, 20 m/s); field selectable.
Accuracy	:	±(5% of reading + 0.2 m/s) or ±(3% of reading + 0.2 m/s) @ standard conditions, depending on model.
Temperature Limits	:	32 to 122°F (0 to 50°C).
Power Requirements	:	24 VDC ±20% or 24 VAC ±20%.
Humidity Limits	:	5 to 95% RH, non-condensing.
Output Signal	:	4 to 20 mA, 0 to 5 VDC, 0 to 10 VDC.
Response Time (90%)	:	10 s, typical.
Zero & Span Adjustments	:	Digital push buttons.
Output Load Resistance	:	Current output: 0 to 1100 Ω max.; Voltage output: Minimum load resistance 1 kΩ.
Current Consumption	:	60 mA max.
Display	:	5 digit LCD (optional).
Electrical Connections	:	Analog; power and output: four wire removable European style terminal block for 16 to 26 AWG.
Communication	:	Connections: BACnet MS/TP or Modbus® RTU/ASCII: three wire removable European style terminal block for 16 to 26 AWG; Supported baud rates: 9600, 19200, 38400, 57600, 76800, 115200. (optional)
Device Load	:	1/8th unit load.
Electrical Entry	:	1/2" NPS thread. Accessory: Cable gland for 5 to 10 mm diameter cable, A-151.
Enclosure Rating	:	NEMA 4X (IP66).
Mounting Orientation	:	Flow direction must be parallel to the sensor tip.
Weight	:	6.0 oz (160 g).
Agency Approval	:	BTL, CE.