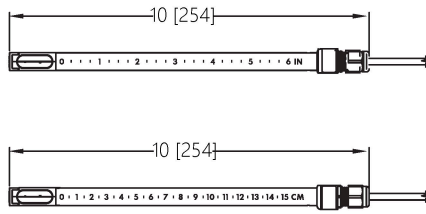
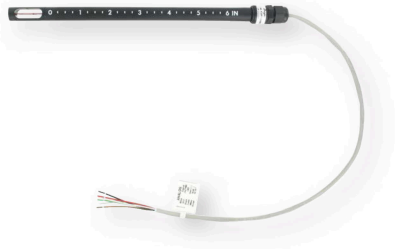
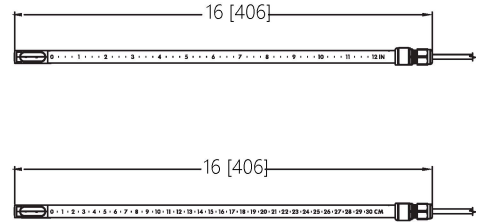


笔式风速变送器

3%或5% 精度，可选BACnet通讯协议



探头长度6"



探头长度12"

AVPT系列笔式风速变送器系列采用热式风速测量技术，用于高精度和稳定的风速测量，有英制和公制单位。AVPT系列可以配置为电压输出或BACnet MS/TP通信，向各种监视设备提供通用输入。可选择固定长度为20或78英寸电缆接线，或带5针M12接头的24英寸电缆。探头长度为6或12英寸。产品随附可调整插入深度的安装法兰。

可提供3%或5%的精度，用于不同的应用场合，可选的BACnet MS/TP通信协议可以菊花链方式连接各种测量设备。

特点与优势

- 传感元件采用工程保形涂层，以确保产品使用寿命和长期耐用
- 不同探头长度，便于安装
- 温度低于冰点应用时也能保证功能正常

应用

- VAV系统
- 楼宇风管

技术指标

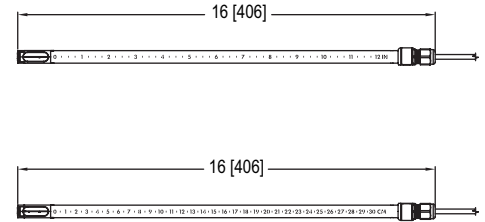
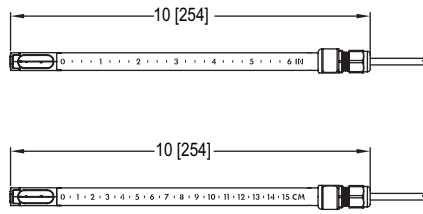
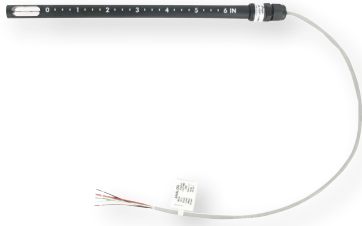
介质：清洁空气。
 量程：1000、2000、3000或4000FPM (5、10、15或20m/s) ;和具体型号对应。
 精度：标准：± (5%读数+40 FPM) ;高精度：± (3%读数+40 FPM) ; 和具体型号对应。
 电源：24VAC/VDC±20%。
 电流消耗：<50mA。
 输出：模拟信号：0-10V (0-5V可配置)。
 BACnet MS/TP：订购时可选。
 支持的波特率：9600, 19200, 38400, 57600, 76800和115200。
 电压输出负载电阻：最小10kΩ (交流电源为10V输出)；在所有其它条件下，最小值为1kΩ。
 电气连接：电缆：带有22AWG导线的阻燃电缆。
 5芯电缆：20" (0.5 m) 或78" (2 m)。
 5针M-12：24英寸 (0.6 m)；和具体型号对应。
 响应时间 (90%)：4s, 平均值。
 工作温度极限：-4至140°F (-20至60°C)。
 储存温度限制：-40至140°F (-40至60°C)。
 探头长度：6"或12"；和具体型号对应。
 外壳防护等级：NEMA 3。
 安装方向：流动方向必须与传感器尖端平行；有关详细信息，请参见安装说明。
 重量：40克 (1.4盎司)；基于M12连接，探头长度为12"。
 机构认证：CE, RCM, BTL, UL阻燃等级 (经UL测试)。

型号表									
举例	AVPT	-S	03	C1	A	06	-127	-FC	AVPT-S03C1A06-127-FC
系列号	AVPT								笔式风速变送器
精度		S H							标准：± (5%读数+40 FPM) 高精度：± (3%读数+40 FPM)
风速量程			01 02 03 04 05 10 15 20						1000 FPM 2000 FPM 3000 FPM 4000 FPM 5 m/s 10 m/s 15 m/s 20 m/s
电气连接				C1 C2 M1					电缆长度 20" (0.5 m) 电缆长度 78" (2 m) M12接头，长度 24" (0.6 m)
输出方式					A B				模拟信号0-5 V和0-10 V BACnet MS/TP
探头长度						06 12			6" 12"
BACnet地址							127		000-127整数用于BACnet输出
选项								FC NIST	工厂校准证书 NIST溯源证书

型号表	
举例	AVPT
SCD-PS	100-240VAC/VDC转24VDC转换电源
A-AVUL-MTG	可替换安装法兰
A-AVUL-QFG	快装电缆密封接头用于风管外部安装

PENCIL STYLE AIR VELOCITY TRANSMITTER

3% and 5% Models, Optional BACnet Communication Protocols



6" probe length

12" probe length

The **Series AVPT Pencil Style Air Velocity Transmitter** uses thermal anemometer technology to provide high accuracy and stable air velocity measurements in imperial and metric units. The Series AVPT can be configured with either a voltage output or BACnet MS/TP communication to provide universal inputs to a variety of monitoring equipment. Models are available with fixed cable lengths of 20 or 78 inches with flying leads or a 5-pin M12 connector on a 24 inch cable. Probes are available in lengths of 6 or 12 inches. A mounting flange included with the product provides the ability to vary insertion depth.

Models are available in 3% or 5% accuracy to suit a variety of applications, while the optional BACnet MS/TP communication protocol allows units to be daisy-chained to provide access to all of the velocity and temperature measurements.

FEATURES/BENEFITS

- Sensing elements have been coated with an engineered conformal coating to ensure durability and longevity
- Varying lengths for easy installation
- Functionality at temperatures below freezing

APPLICATIONS

- VAV systems
- Building ducts

SPECIFICATIONS

Service: Clean air.
Ranges: 1000, 2000, 3000, or 4000 FPM (5, 10, 15, or 20 m/s); Model specific.
Accuracy: Standard: $\pm(5\%$ reading +40 FPM); High accuracy: $\pm(3\%$ reading +40 FPM); Model specific.
Power Requirements: 24 VAC/VDC $\pm 20\%$.
Current Consumption: < 50 mA.
Outputs: Analog: 0-10 V (0-5 V configurable).
BACnet MS/TP: Selectable at time of order.
Supported Baud Rate: 9600, 19200, 38400, 57600, 76800, and 115200.
Voltage Output Load Resistance: 10k Ω minimum (10 V output with AC supply); 1k Ω minimum all other conditions.
Electrical Connection: Cable: Plenum rated cable with 22 AWG conductors.
5-Conductor Cable whip: 20" (0.5 m) or 78" (2 m).
5-pin M-12: 24" (0.6 m); model specific.
Response Time (90%): 4 s, typical.
Operational Temperature Limits: -4 to 140 °F (-20 to 60 °C).
Storage Temperature Limits: -40 to 140°F (-40 to 60°C).
Probe Length: 6" or 12"; model specific.
Enclosure Rating: NEMA 3.
Mounting Orientation: Flow direction must be parallel to the sensor tip; See Installation section for details.
Weight: 1.4 oz (40 g); based on M12 connection with 12" probe length.
Agency Approvals: CE, RCM, BTL, UL plenum rated (UL tested).

MODEL CHART									
Example	AVPT	-S	03	C1	A	06	-127	-FC	AVPT-S03C1A06-127-FC
Series	AVPT								Pencil style air velocity transmitter
Accuracy		S H							Standard $\pm 5\%$ of reading +40 FPM High accuracy $\pm 3\%$ of reading +40 FPM
Velocity Range			01 02 03 04 05 10 15 20						1000 FPM 2000 FPM 3000 FPM 4000 FPM 5 m/s 10 m/s 15 m/s 20 m/s
Electrical Connection				C1 C2 M1					Cable whip 20" (0.5 m) Cable whip 78" (2 m) M12 24" (0.6 m)
Output Type					A B				Analog 0-5 V and 0-10 V BACnet MS/TP
Probe Length						06 12			6" 12"
BACnet Address							127		000-127 whole integer with BACnet output
Options								FC NIST	Factory calibration certificate NIST traceable certificate

MODEL CHART	
Example	AVPT
SCD-PS	100-240 VAC/VDC to 24 VDC power supply
A-AVUL-MTG	Replacement mounting flange
A-AVUL-QFG	Quick fix cable gland for outside the duct installation