

FS22-OEM热线式风速传感器



50 PCS/LOT

| 产品特点 |

- 0 ... 2 m/s低风速量测
- 模拟输出：4 ... 20 mA / 0 ... 10 V / 搭配RS-485 输出
- 精度：±2% F.S.
- 体积小重量轻，可快速拆装
- 聚碳酸酯外壳，电气绝缘性与阻燃性佳
- 可搭配RS-485专用规划软件，有Data logger功能及分析图型

| 应用领域 |

监测HVAC的空气和流量 / 暖通空调 / 建筑物 / 工厂 / 办公室

| 技术概观 |

输入

信号种类	RTD Thermal mass flow sensor
量测范围	0 ... 30 m/s
最小量测范围	0.2 m/s, 0.1 m/s(可选)

输出

信号	4 ... 20 mA / 0 ... 10 V / RS-485
精度	±2% F.S.
温度影响	0.2% / °C
反应时间	t ₉₀ ≤ 5 秒
负载阻抗	电流输出: ≤ 500 Ω 电压输出: ≥ 100 KΩ
安装角度影响	<3%的量测值(当安装角度<10°)
暖机时间	< 2 min.

环境

量测介质	空气
本体工作温度	0 ... 50°C
本体工作湿度	95%RH(非结露)
储存温度	-20 ... +60°C

电气规格

工作电源	DC 24 V ±10%
消耗电流	100 mA
过电压保护范围	DC: < 40 V
电气连接	PVC 导线

安装

安装方式	PC螺帽型 PT活动外牙型
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保护

防护等级	IP 65
电气防护	■ 逆向保护 ■ 过电压 ■ 短路

认证

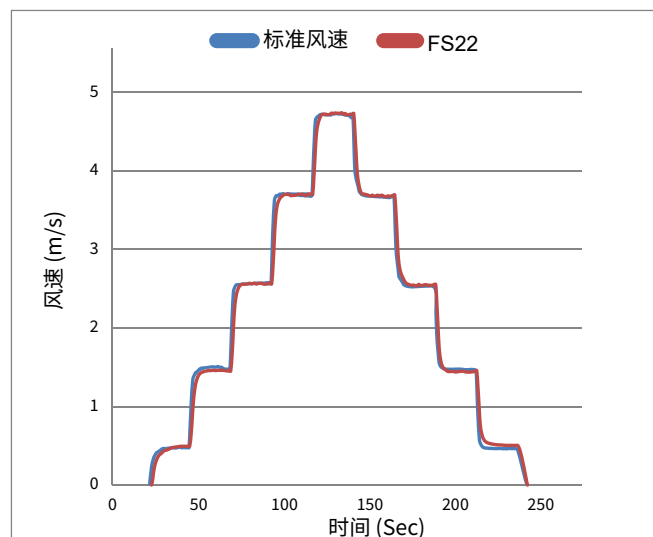
认证	CE
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材质

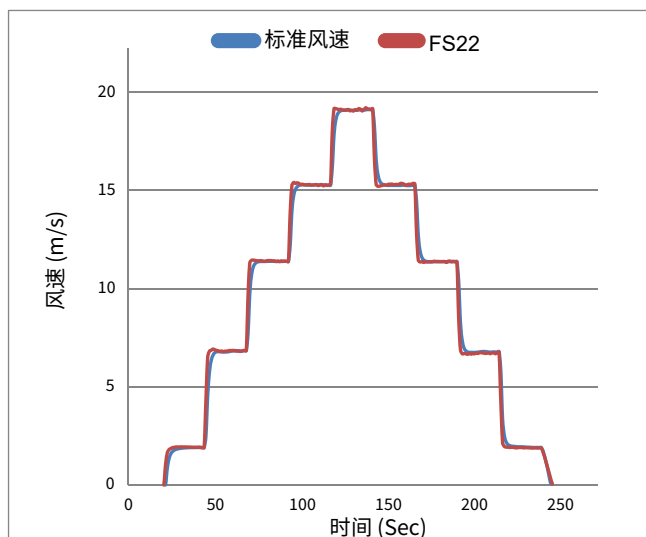
外壳	PC
重量	133g

| 量程曲线图 |

■ 风速 5 m/s

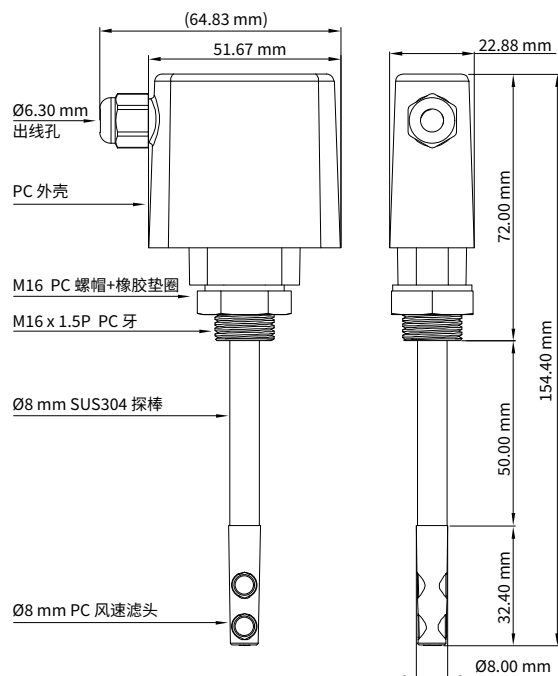


■ 风速 20 m/s

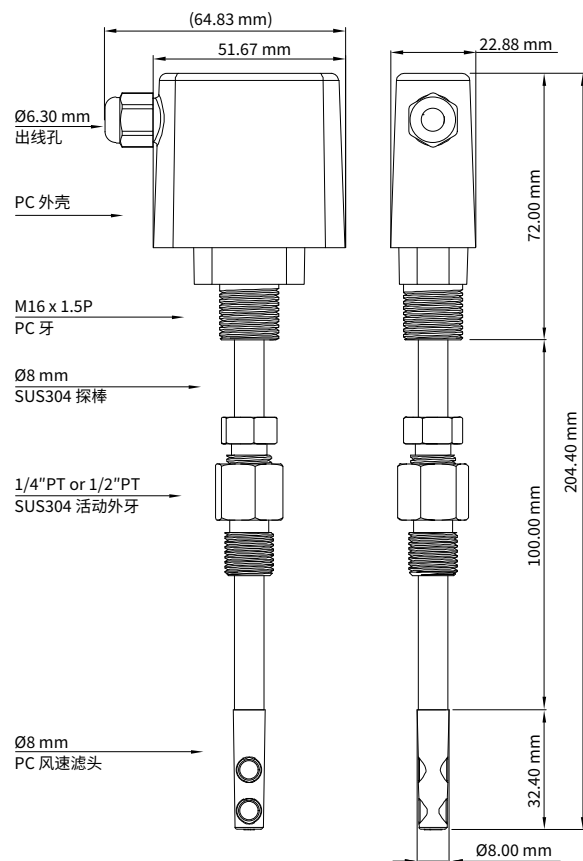


| 尺寸图 | 单位: mm

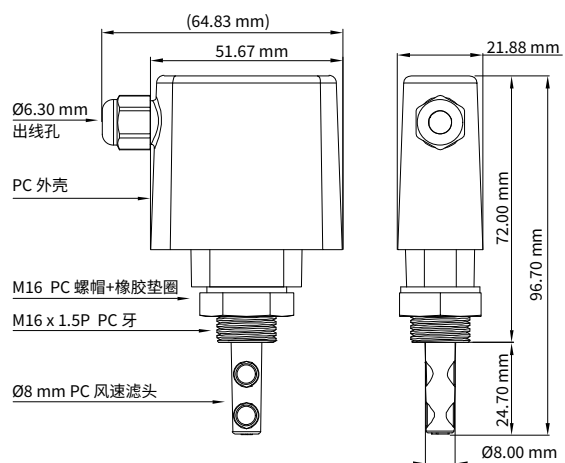
■ PC螺帽型-5 cm



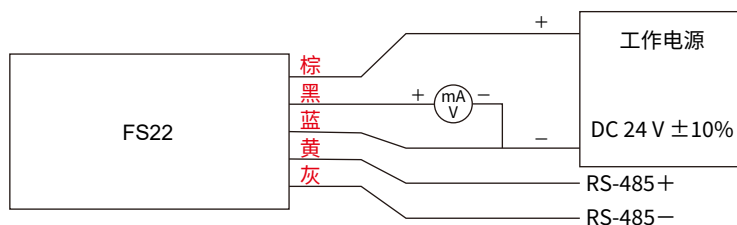
■ PT活动外牙型-10 cm



■ PC螺帽型-0 cm



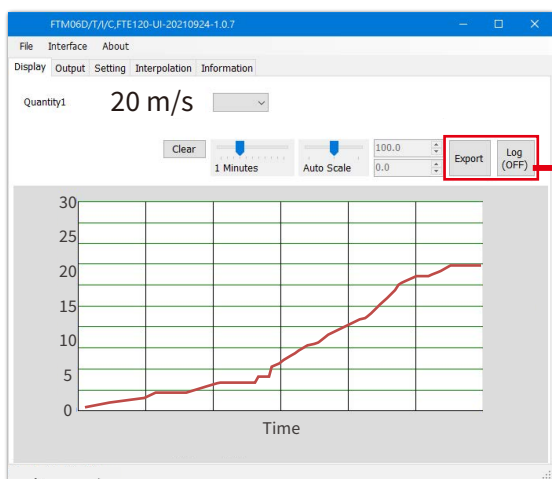
| 接线图 |



*请确认产品与连接RS-485之仪器共地，避免接地电压差造成损害。

| 搭配RS-485规划软件 |

■ 使用分析图形功能，并导出量测数据



分析图形



1/9/2	02:15:12	6.859	269.4632	269.3882	2.1243	2.815
1/9/2	02:15:17	7.1227	269.4699	269.3876	2.1872	2.6708
1/9/2	02:15:22	7.2015	269.4835	269.3862	2.2139	2.2553
1/9/2	02:15:27	7.1837	269.4699	269.3854	2.2252	1.884
1/9/2	02:15:32	7.2276	269.4835	269.3863	2.2304	1.6795
1/9/2	02:15:37	7.2223	269.4699	269.3863	2.2323	1.5761
1/9/2	02:15:42	7.195	269.4767	269.3866	2.2325	1.5269
1/9/2	02:15:47	7.2368	269.4632	269.3853	2.2326	1.5033
1/9/2	02:15:52	7.229	269.4699	269.3839	2.2328	1.4899
1/9/2	02:15:57	7.2038	269.4699	269.3835	2.2327	1.4807
1/9/2	02:16:02	7.2153	269.4767	269.3855	2.2324	1.4735
1/9/2	02:16:07	7.1916	269.4767	269.3834	2.2319	1.4676
1/9/2	02:16:12	7.2202	269.4699	269.3838	2.2313	1.4625
1/9/2	02:16:17	7.1827	269.4699	269.3858	2.2308	1.4581
1/9/2	02:16:22	7.1345	269.4699	269.3842	2.2291	1.4542
1/9/2	02:16:27	7.1859	269.4699	269.384	2.2283	1.4506
1/9/2	02:16:32	7.1961	269.4632	269.3856	2.2284	1.4473
1/9/2	02:16:37	7.2106	269.4767	269.3835	2.2284	1.4442
1/9/2	02:16:42	7.2078	269.4699	269.3847	2.2283	1.4414
1/9/2	02:16:47	7.1002	269.4767	269.3854	2.228	1.43

■ 补偿调整

Offset Adjustment

Flow Offset (m/s)	0.0
Temperature Offset (°C)	0.0
Low Cut Off (m/s)	0.0000

Apply

■ 可修改输出范围

File Interface About

Display Output Setting Interpolation Information

OUT1

Quantity Flow Velocity

Response Rate (0~100) 98

Analog Range 4-20mA

Upper Range 20.0

Lower Range 0.0

☐ Alarm Mode

Upper Point 50.0

Lower Point 40.0

Upper Level 20.0

Lower level 4.0

Apply

■ 设定管径系数

Process Parameters

Temperature (°C)	20
Pressure (mBar)	1013.25
Relative Humidity (%)	50
Profile Factor	1.0000

Apply

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