



Mod. **FAT**

Air Flow and Temperature Sensor

Highlighted specs

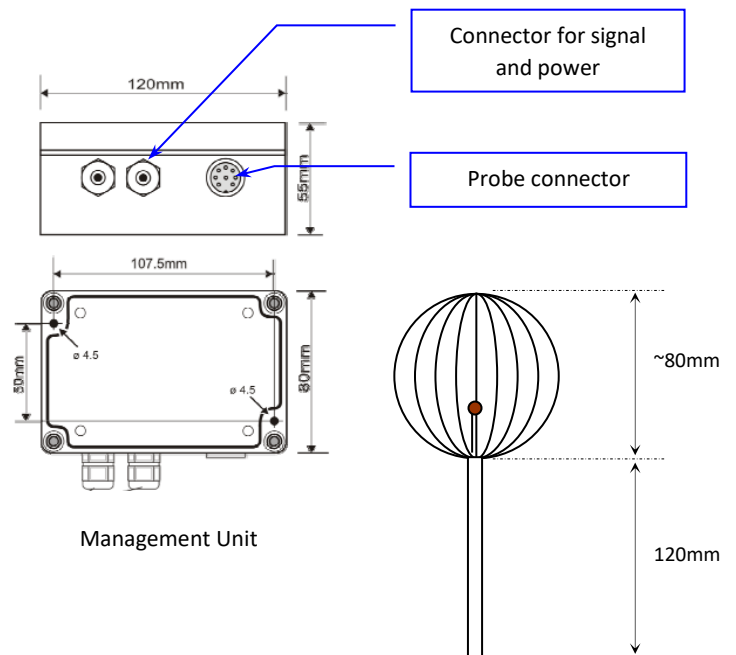
- Temperature and Air Flow sensor for indoor applications
- High sensibility: 0.01 m/s
- Selectable signal output (voltage or current)
- Easy to install
- According to **CE** norms

The sensor FAT is a sensor for measuring air flow with an omni-directional hot-wire probe, that allows the measurement for both air speed and temperature. Thanks to the different types of standard **signal output (voltage or current)** or **digital RS485 with ModBus (MCS option)**, it can be easily interfaced with any acquisition system.

Typical measurement range	0.1÷5m/s (Air flow); -20÷80°C (Temperature)
Resolution	0.01 m/s
Accuracy	Air Speed: ±0.1m/s (0...0.99m/s), ±0.3m/s (1.00...5.00m/s) Temperature: ±0.3°C (0...70°C), ±0.4°C
Compensated temperature range	0÷80°C
Load resistance	Max 500Ω for current output, min100kΩ for voltage output
Type of transducer	All-directional hot-wire probe
Signal output	4÷20mA o RS485/ModBus (with MCS option)
Protections	Against polarity reverse
Protection degree	IP65
Power supply and consumption	12÷30Vdc, (typ.<0.5W)
Weight	300 g

Size and connections

Color	FAT-A	FAT-B	FAT-C MCS option
White	FA Out+ (m/s)	FA Out +	RS485 A
Green	FA Out- (m/s)	FA Out -	RS485 B
Grey/Orange	Gnd	Gnd	Gnd
Red	Vdc(12V)	Vdc(12V)	Vdc(12V)
Blue	T Out+ (°C)	T Out+ (°C)	---
Brown	T Out- (°C)	T Out- (°C)	---



Order Code

Sensor	Air Flux and Temperature Sensor	FAT		
Output	4÷20mA RS485 / Modbus (with double MCS option)	B C		
Accessories	CS05 – Cable 5m sensor-datalogger CS10 – Cable 10m sensor-datalogger CSxx – Cable xx* m length, sensor-datalogger – to be specified at order SSW – Sensor wall arm support L=7cm		05 10 xx	SSW

*specify the length for no standard measures

example of order code

FAT B 10 SSW