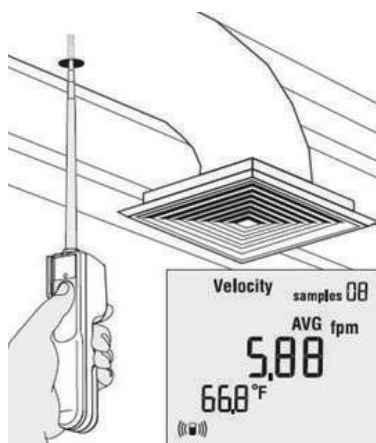


Air velocity F923 Hot-wire air velocity meter

New



General

Fluke 923 is a hot-wire air velocity meter with a detachable display. Infrared communication is used when the display is attached to a detector, and wireless communication is used when the display is removed from the detector. The display can provide accurate readings far away up to 30 m from the detector, without sacrificing real-time and accuracy. The hot-wire air velocity detector features a extensible detecting rod, the SAVE button on the detector can be used to save measurement data anytime, average value of measurements is supported. Air flow can be displayed directly as long as the size of duct is inputted. A alarm threshold can be preset for air velocity alarm, and a beep and vibration alert will be gave when exceeding the threshold. For a higher accuracy, inputting the atmospheric pressure is supported.

Features

- With Detachable display and wireless communication, the display can be far away up to 30 m from the detector without sacrificing real-time reading, so that measurements can not be limited by cables.
- Air velocity range: 0.2m/s-20m/s, resolution 0.01m/s
- Faster response time, no waiting time.
- Thin-long and adjustable detecting rod is very convenient for measuring air velocity in duct or at vent.
- Easy SAVE button (up to 99 data can be stored), eliminating the hassle of handwriting records in the field.
- One-key calculation and storing of average flow rate.

- Preset threshold for air velocity alarm.
- Measure air velocity, flow and temperature, setting of atmospheric pressure is supported.
- Warranty: 2 years.

Target users

- Cleanroom users. Such as pharmaceuticals, semiconductors, food, electronics, laboratories, hospitals, large-scale computer rooms and other places where have high requirements on cleanroom.
- HVAC providers. HVAC manufacturing and installing.
- Research agents on HVAC. R&D tests of HVAC products.
- Certification agents. Such as Certification agents on cleanliness, building efficiency, etc.
- Science and research Institutes on building. Such as institutes and organization on building design and energy saving research.
- Large-scale chain restaurants. Such as fast-food chains.
- Maintenance organization for large-scale public indoor places. Such as gymnasiums, theaters and cinemas, etc..

Electrical specifications

Air Velocity (standard)	Range	0.20 m/s to 20.00 m/s, 40 fpm to 3940 fpm
	Resolution	0.01 m/s, 1 fpm
	Accuracy (m/s)	5 % + 3 digit of reading or 1% + 1 digit full scale
	Accuracy (fpm)	5% + 6 digit of reading or 1% + 1 digit full scale
Air Flow	Range	0 to 99999 m ³ /hr, cfm, liter/sec
	Resolution	0.001-100
	Accuracy	Function of velocity and duct size
Temperature	Range	-20°C - 60°C , -4 °F - 140 °F
	Resolution	0.1°C , 0.1 °F
	Accuracy (°C)	0.5 °C from 0 °C to 45 °C
		1.0 °C from -20 °C to 0 °C and 45 °C to 60 °C
	Accuracy (°F)	1.0 °F from 32F to 113 °F
		2.0 from -4 °F to 32 °F and 113 °F to 140 °F

Environmental specifications

Operating Temperature	0 °C to +50 °C
Storage Temperature	-20 °C to +60 °C
Operating Humidity	Non condensing (<10 °C)
	90 % RH (10 °C to 30 °C)
	75 % RH (30 °C to 40 °C)
	45 % RH (40 °C to 50 °C) (Without Condensation)
Operating Altitude	2,000 meters
Storage Altitude	12,000 meters
Vibration Requirements	MIL - T - 28800F, Class 2
Drop Test Requirements	1 meter
Temperature Coefficients	Add 0.1 × specified accuracy for each °C > 28 °C or < 18 °C

Mechanical specifications

Size (H × W × L)	5.3 cm × 8.9 cm × 43.2 cm (2.1 in × 3.5 in × 17 in)
Weight	0.385 kg (.85 lbs)