INDUSTRIAL AIR VELOCITY TRANSMITTER
With Built-In Relay

FMA900A Series

1 YEAR WARRANTY™

NIST
Optional

- ✔ **Air Velocity Range Up to 10,000 FPM (50.8 m/sec)**
- ✔ **2% Full Scale Accuracy**
- ✔ **Hot Wire Air Velocity Sensor Design**
- ✔ **Two Sensor Probe Configurations: Fixed Mount and Remote Probe**
- ✔ **250 msec Response Time**
- ✔ **Adjustable High Alarm Set Point**
- ✔ **One SPST Relay Contact Closure with Red LED Indication**
- ✔ **Linear 0 to 5 Vdc or 4 to 20 mA Analog Output**
- ✔ **Used in HVAC Monitoring, Exhaust/ Ventilation Hoods**

The FMA900A Series measures air velocity and provides an analog output proportional to the air flow, and one SPST relay contact closure for high alarm operation. The alarm set point is adjustable from 0 to 100% of the air flow range. The unit comes with one green power LED, and one red LED for alarm indication. The FMA900A Series are used in research and development labs, HVAC applications, exhaust/ ventilation hoods and other manufacturing processes. The sensor probe comes in two configurations, fixed mount 305 mm (12") probe and remote 305 mm (12") probe with 4.5 m (15') of shielded cable.

Economical 6 OD x 305 mm L (¼ OD x 12") insertion probe design.

Fixed probe

SPECIFICATIONS
Air Velocity Range: 0 to 200, 0 to 500, 0 to 1000, 0 to 2000, 0 to 5000, 0 to 10,000 FPM
Accuracy: 2% of FS or 15 FPM whichever larger
Air Velocity Probe: 6 OD x 305 mm L (¼ OD x 12") stainless steel, or remote probe
High Alarm Set Point: Adjustable from 0 to 100% of air flow range
Alarm Indication: Red LED on the back plate
Alarm Deadband: 5% of FS
Relay: One 12V SPST NO relay
Contact Rating: 10A @ 24 Vdc
Analog Output: 0 to 5 Vdc, 4 to 20 mA
Operating Ambient Temperature:
  Sensor Probe: -40 to 93ºC (-40 to 199ºF)
  Electronic Case: 0 to 50ºC (32 to 122ºF)
Power Indicator: Green LED
Power: 15 to 24 Vdc @ 200 mA
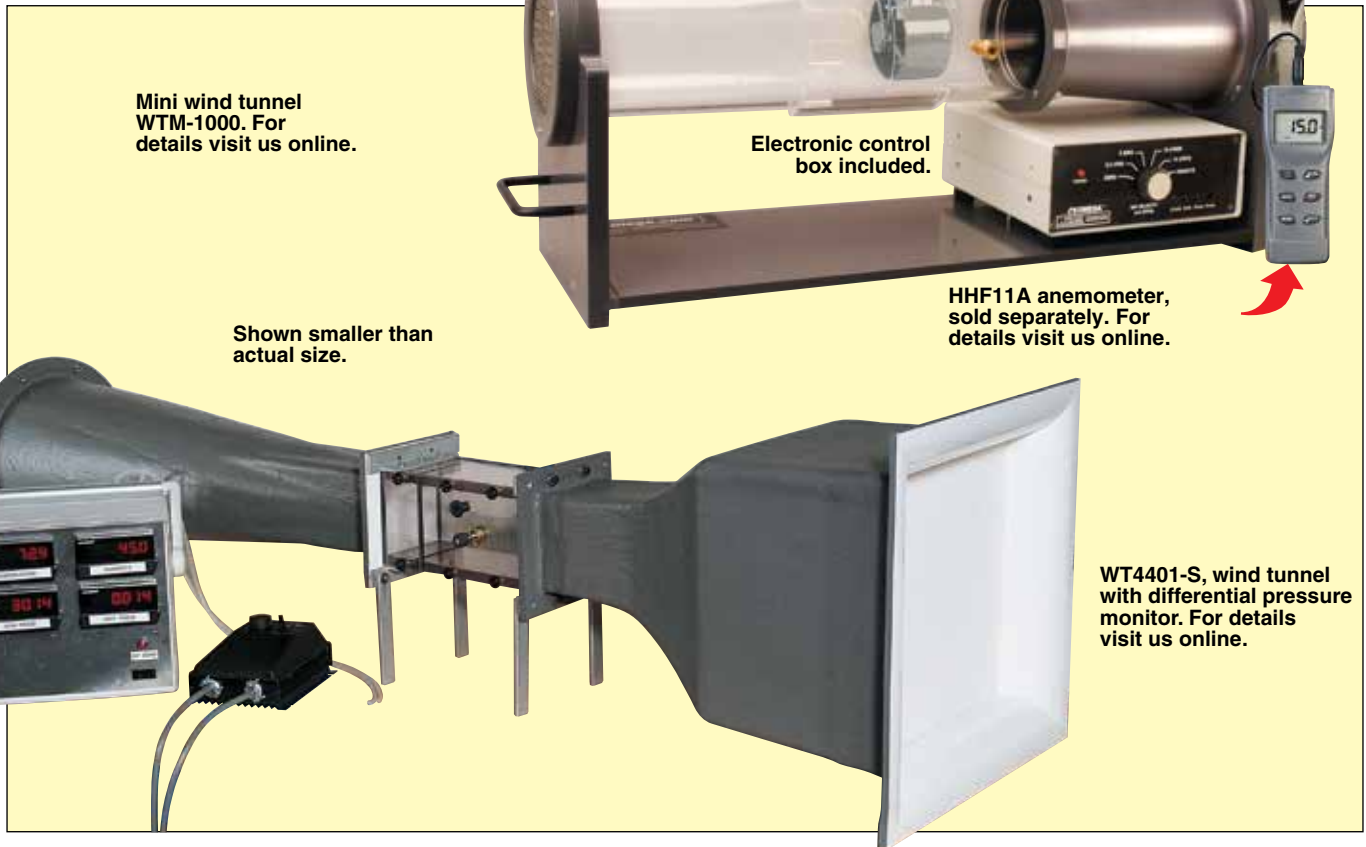**Dimensions:** 89 H x 51 W x 32 mm D (3.5 x 2 x 1.25")
Weight: 160 g (5.6 oz)

FMA901A-V1 shown actual size.

Complimentary Products

Mini wind tunnel WTM-1000. For details visit us online.

Electronic control box included.

HHF11A anemometer, sold separately. For details visit us online.

Shown smaller than actual size.

WT4401-S, wind tunnel with differential pressure monitor. For details visit us online.

To Order

Model No.	Range FPM (m/sec)	Description
FMA900A-*-**	0 to 200 (0 to 1.02)	Air velocity transmitter, fixed probe
FMA900R-*-**	0 to 200 (0 to 1.02)	Air velocity transmitter, remote probe
FMA901A-*-**	0 to 500 (0 to 2.54)	Air velocity transmitter, fixed probe
FMA901R-*-**	0 to 500 (0 to 2.54)	Air velocity transmitter, remote probe
FMA902A-*-**	0 to 1000 (0 to 5.08)	Air velocity transmitter, fixed probe
FMA902R-*-**	0 to 1000 (0 to 5.08)	Air velocity transmitter, remote probe
FMA903A-*-**	0 to 2000 (0 to 10.16)	Air velocity transmitter, fixed probe
FMA903R-*-**	0 to 2000 (0 to 10.16)	Air velocity transmitter, remote probe
FMA904A-*-**	0 to 5000 (0 to 25.4)	Air velocity transmitter, fixed probe
FMA904R-*-**	0 to 5000 (0 to 25.4)	Air velocity transmitter, remote probe
FMA905A-*-**	0 to 10,000 (0 to 50.8)	Air velocity transmitter, fixed probe
FMA905R-*-**	0 to 10,000 (0 to 50.8)	Air velocity transmitter, remote probe

Accessories

Model No.	Description
CAL-3-FLOW	NIST traceable 4-point calibration certificate
TX8-100	8 conductor shielded cable, PVC insulation, 30.5 m (100') spool
PSR-24S	Regulated 24 Vdc @ 400 mA power supply, screw terminal
PSR-24L	Regulated 24 Vdc @ 400 mA power supply, stripped leads
SSLK-14-14	Compression fitting, ¼" tube OD, ¼ NPT
T-FER-1/4	¼" PTFE ferrules (10-pack) for use with SSLK-14-14 compression fitting

*Specify output type, add suffix **"-V1"** for 0 to 5 Vdc, or **"-MA"** for 4 to 20 mA, no additional cost.*

For 95 mm (3.75") short probe add suffix **"-S", no additional cost.*

Unit is NIST traceable up to 8500 FPM

Comes complete with 305 mm (12") long sensor probe or remote probe, and operator's manual.

Ordering Examples: FMA904R-V1, *air velocity transmitter with built-in relay, 0 to 5000 FPM, remote probe, 0 to 5 Vdc output.*

FMA902A-MA, *air velocity transmitter with built-in relay, 0 to 1000 FPM, fixed probe, 4 to 20 mA output.*