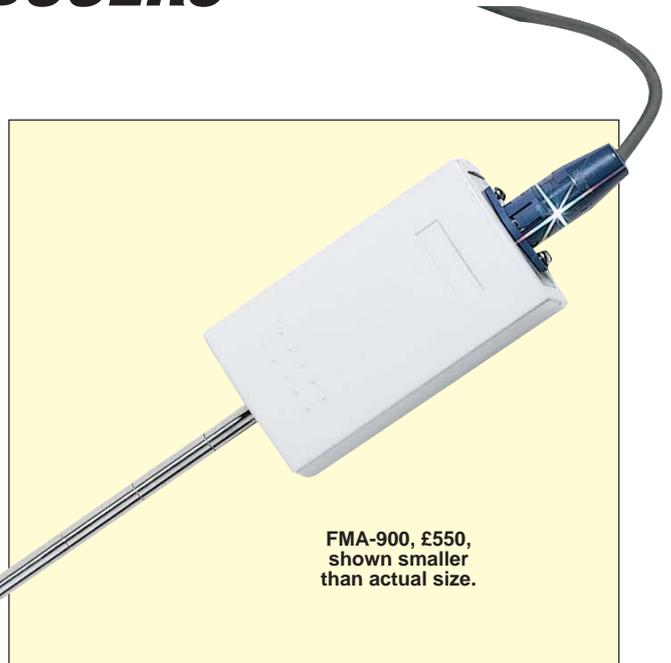


# GENERAL-PURPOSE AIR VELOCITY TRANSDUCERS

FMA-900-V  
Starts at  
**£550**



- ✓ Up to 1.5% Accuracy
- ✓ Remote Probe Model Available with 4.6 m Cable
- ✓ Each Unit Individually Calibrated
- ✓ Durable Fast-Response Platinum Sensors
- ✓ Compact Solid-State Electronics
- ✓ Directly Monitors True Air Mass Velocity
- ✓ Linear 0 to 5 Vdc or 4 to 20 mA Output
- ✓ 400 msec Response Time
- ✓ Economical Insertion Design



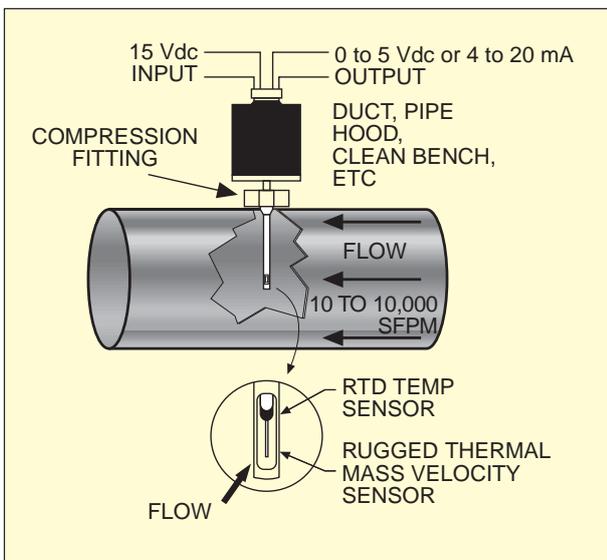
FMA-900, £550, shown smaller than actual size.

The unique FMA-900 air velocity transducer utilises both a velocity sensor and a temperature sensor to accurately measure air velocity. The built-in temperature sensor automatically corrects the flowrate for temperature variations. Both sensors are rugged glass-coated platinum resistance detectors (RTDs). The circuit heats the velocity sensor to a constant temperature differential above ambient temperature and measures the cooling effect of the air flow. This design provides excellent low velocity sensitivity and high accuracy. The FMA-900 also features negligible pressure drop.

A traverse across the pipe or duct can be performed to determine the mounting location for average velocity indication. The FMA-900 can be mounted in pipes (down to 38 mm size) with the use of OMEGA™ SSLK compression fittings (SSLK-14-14, £10.50 ea). PTFE ferrules are required. (Model T-FER-1/4, £50/10 pack).

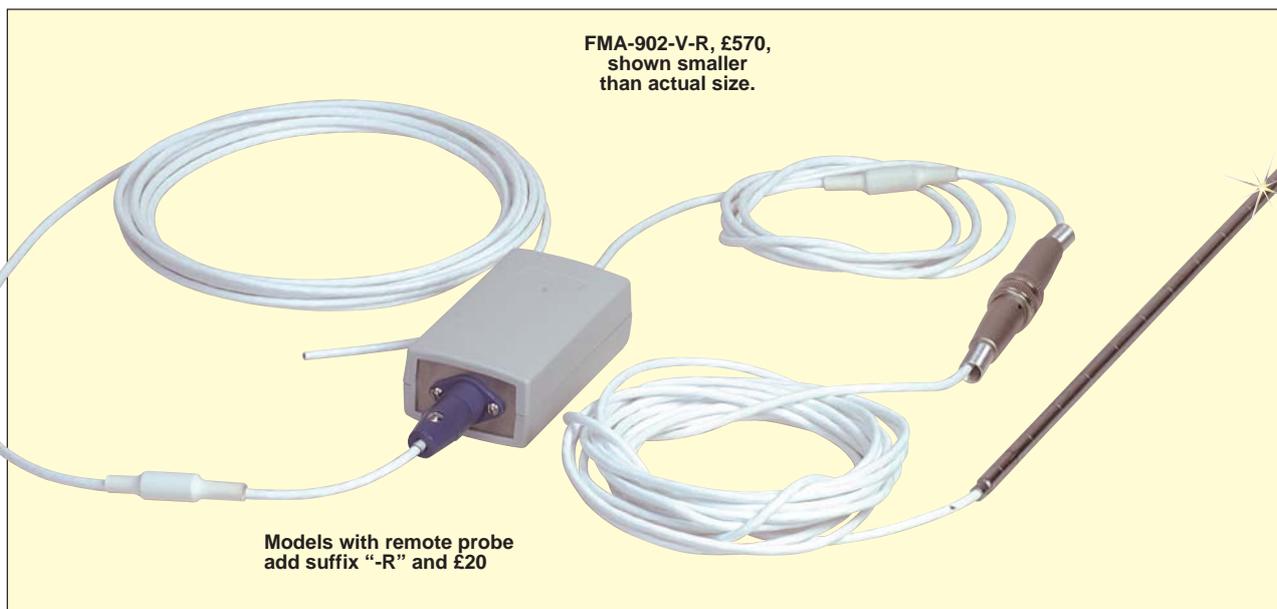
Each unit is individually calibrated in OMEGA's traceable wind tunnel.

Suggested power supply; PSU-UNIVERSAL, £19 ea.



**For Compatible Meters and Controllers  
See the iSeries, See Page 292**

Replacement mating connector, model FMA-3CON, £16.75.



**SPECIFICATIONS**

**Accuracy:** 1.5% FS @ room temperature  
2% at 50°C; 3% at 75°C; 3½% at 100°C;  
4% at 121°C; add 1% FS below 5 m/s  
**Repeatability:** ±0.2% FS  
**Initial Stabilisation Time in Flow:** 40 sec  
**Response Time/After Stabilisation:**  
400 msec to within 63% of final value  
at room temperature  
**Probe:** Aluminium oxide ceramic glass  
coating, epoxy; probe body 304 SS  
**Probe Temperature:** -40 to 121°C

**Probe Pressure:** 10 bar max  
**Electronics Temperature:**  
**Operating:** 0 to 50°C  
**Storage:** 0 to 70°C  
**Operating Relative Humidity:** Less  
than 80% RH, without condensation  
**Ambient Temp Compensation:**  
About 5 min for 11°C temp change  
**Outputs:** 0 to 5 Vdc or 4 to 20 mA  
**Voltage Load Resistance:**  
250 minimum  
**Current Loop Resistance:**  
0 min to 400 max; 4 wire

**Power:** 15 to 24 Vdc, 300 mA  
(0 to 0.5 and 0 to 1 m/s only);  
15 to 18 Vdc, 300 mA (all other ranges)  
**Accessories:** Mating connector pre-  
wired to 4.6 m screened cable (with  
built-in ferrite core) included, standard  
**Dimensions:**  
**Case:** 89 H x 51 W x 31.8 mm D  
**Probe:** 6.35 mm OD, 330 mm length  
**Short Probe (-S):** 6.35 mm OD,  
95 mm length  
**Weight:** 160 g

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

<b>To Order (Specify Model Number)</b>				
Model No. 0 to 5 V Output	Price	Model No. 4 to 20 mA Output	Price	Range
FMA-900-V	£550	FMA-900-I	£590	0 to 0.5 m/s
FMA-901-V	550	FMA-901-I	590	0 to 1 m/s
FMA-902-V	550	FMA-902-I	590	0 to 2.5 m/s
FMA-903-V	550	FMA-903-I	590	0 to 5 m/s
FMA-904-V	550	FMA-904-I	590	0 to 10 m/s
FMA-905-V	550	FMA-905-I	590	0 to 25 m/s
FMA-906-V	550	FMA-906-I	590	0 to 50 m/s

**Accessories**

<b>To Order (Specify Model Number)</b>		
Model No.	Price	Description
CAL-3-FLOW	£151.00	Traceable 4-point calibration certificate
PSU-UNIVERSAL	19.00	+15 Vdc power supply
FMA-3CON	16.75	Replacement mating connector
FW-0119	104.00	Reference Book: Flow Measurement

Each unit comes with 4 point certificate of compliance, mating connector pre-wired to 4.6 m screened cable and complete operator's manual.  
To order with 95 mm probe instead of standard 330 mm probe, add suffix "-S" to model number and add £20 to price.  
To order models with remote probe add suffix "-R" to model number and £20 to price.  
**Ordering Example:** FMA-904-I, probe with 4 to 20 mA output, 0 to 10 m/s range, plus CAL-3-FLOW, 4 point calibration certificate,  
£590 + 151 = £741.



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Stamford, CT.

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