

Air Velocity, Air Temperature,  
Relative Humidity,  
Differential Pressure

# Airflow Transducer Model 6332 & 6332D

NIST Traceable



### Features:

- 10 interchangeable probe options
- Probes quickly and easily attach/detach
- Digital Display Option (model 6332D)
- Selectable Output (Output can be set to either voltage: 0 to 5V or current: 4 to 20mA)



Model 6332 (without display)

### Main Unit Specifications

Measuring Object	Clean air and compatible, non-combustible gases				
Measuring Range	Maximum range 0.1 ~ 50 m/s (Range dependant on probe type*)				
Measuring Accuracy	± (3% of reading + 0.1) m/s				
Temperature Compensation Range	5~40°C	0.1-4.99m/s	5.00-9.99m/s	10.0-24.9m/s	25.0-50.0m/s
	40~80°C	±0.25m/s	±0.50m/s	±1.25m/s	±2.50m/s
Selectable Output Option	(Set via onboard Dipswitch). Current output: DC 4~20mA (Max. load resistance: 250Ω)				
	Voltage output: DC 0~5V				
Selectable Range Option	(Rotary Switch selectable). 0~2, 0~5, 0~10, 0~25, or 0~50 m/s				
Display Resolution (Model 6332D only)	Velocity Range: 0~2, 0~5, 0~10 m/s → Display Resolution: 0.01m/s Velocity Range: 0~25, 0~50 m/s → Display Resolution: 0.1m/s				
Power Supply	DC 12~24V				
Power Consumption (Reference Value)	Approx. 2.0W (Under the following conditions - power supply: 12V, air velocity: approx. 10m/s, using a unit with a display with probe model 0965-03.) Power consumption rate is subject to change according to conditions such as air velocity, probe type and use of display.				
Connection Wire Size	0.5 ~ 1.5 mm <sup>2</sup>				
Temp Range	Operating Temp: 41 to 104°F (5 to 40°C), Storage Temp: 14 to 122°F (-10 to 50°C)				
Dimensions	Approx. 5" x 3.1" x 1.2" (128 x 78 x 30 mm)				
Weight	Approx. 11oz (320g)				
Standard Accessories	Operation Manual : 1, Main Unit Case: 1				
Optional Accessories	Probe Cable (33ft (10m), 66ft (20m), 98ft (30m)), Display Unit (Supplied with a case with a display window and 2 installation screws.), Dedicated AC Adapter (DC12V)				

### Probe Specifications

Model	0962-00 / 0963-00	0964-01 / 0964-02	0965-00 / 0965-01	0965-03 / 0965-04	0965-07 / 0965-08
Sensor Type	Uni-directional	Omni-directional (Needle)	Omni-directional (Spherical)	Omni-directional (Spherical)	Omni-directional (Spherical)
				Mini-temperature-compensation-sensor integrated type	
Measuring Range	20 – 10000 fpm (0.1 – 50 m/s)	20 – 10000 fpm (0.1 – 50 m/s)	20 – 5000 fpm (0.1 – 25 m/s)	20 – 5000 fpm (0.1 – 25 m/s)	20 – 5000 fpm (0.1 – 25 m/s)
Accuracy	+/- 20 fpm (20 – 1000 fpm) +/- 40 fpm (1000 – 2000 fpm) +/- 100 fpm (2000 – 5000 fpm) +/- 200 fpm (5000 – 10000 fpm)	+/- 30 fpm (20 – 1000 fpm) +/- 60 fpm (1000 – 2000 fpm) +/- 150 fpm (2000 – 5000 fpm) +/- 300 fpm (5000 – 10000 fpm)	+/- 30 fpm (20 – 1000 fpm) +/- 60 fpm (1000 – 2000 fpm) +/- 120 fpm (2000 – 5000 fpm)		
Temperature Compensation	41 – 176 F (5 – 80 C)				
Response Time	Approx. 1 sec.	Approx. 3 sec.	Approx. 7 sec.		