

PROVA®

AVM-305 Anemometer



Electrical Specifications: (23°C±5°C)



Range of Wind Velocity:

Units	Range	Resolution	Threshold	Accuracy
m/s	0.0 - 45.0	0.01	0.3	±3% ± 0.2
ft/min	0 - 8800	0.01/0.1/1	60	±3% ± 40
knots	0.0 - 88.0	0.01/0.1	0.6	±3% ± 0.4
Km/hr	0.0 - 160.0	0.01/0.1	1.0	±3% ± 0.8
mph	0.0 - 100.0	0.01/0.1	0.7	±3% ± 0.4

m/s: meter per second

ft/min: feet per minute

knots: nautical miles per hour

Km/hr: kilometers per hour

mph: miles per hour

Unit Conversion table:

	m/s	ft/min	knots	Km/hr	mph
1 m/s	1	196.87	1.944	3.60	2.24
1 ft/min	0.00508	1	0.00987	0.01829	0.01138
1 knot	0.5144	101.27	1	1.8519	1.1523
1 Km/hr	0.2778	54.69	0.54	1	0.6222
1 mph	0.4464	87.89	0.8679	1.6071	1

Range of Wind Temperature:

Unit	Range	Resolution	Accuracy
°C	-5.0 - 0.0	0.1	± 1.2 °C
	0.0 - 40.0	0.01	± 1.0 °C
	40.0 - 50.0	0.01	± 1.3 °C
	50.0 - 60.0	0.01	± 1.5 °C
°F	23.0 ~ 32.0	0.2	± 2.2 °F
	32.00 ~ 104.00	0.02	± 1.8 °F
	104.00 ~ 122.00	0.02	± 2.4 °F
	122.00 ~ 140.00	0.02	± 2.7 °F

$$^{\circ}\text{F} = (9/5) \times ^{\circ}\text{C} + 32 ; \quad ^{\circ}\text{C} = (5/9) \times (^{\circ}\text{F} - 32)$$

General Specifications:

Mounting Nut:	1/4" x 20
Operating Temperature:	Meter: 0 °C ~ 50°C (32 °F ~ 122°F) Vane: 0°C ~ 60°C (32 °F ~ 140°F)
Operating Humidity:	Less than 80% RH
Operating Pressure:	500 mB ~ 2 Bar
Storage Temperature:	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption:	Approx. 6 mA
Battery Type:	1.5V AA batteries x 2
Battery Life:	200 hours (for 2000mA-hrs battery)
Dimension:	Meter: 78 x 130 x 40mm Vane: 66 x 132 x 29.2mm
Weight:	250g (battery included)
Accessories:	Carrying case x 1, Users manual x 1, 1.5V Battery x 2, RS-232C to USB bridge Software CD Software Users Manual
Option:	Prova 300XP Portable Thermal Printer

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