



HANDHELD ANEMOMETER RVM 96B-1

The RVM 96B-1 is a truly portable, easy to use electro – mechanical device for wind measurements. It is particularly suited for usage in adverse conditions, where other instruments due to their design, weight or dimensions, would be unsuitable.

The system for measuring wind speed is optoelectronic, with a 3-cup Robinson's cross and a digital liquid crystal display. Wind speed is sampled in 1-second intervals. The Instrument also calculates 1-minute average and max speed and shows those values on display. Four AA-type (R6) batteries located in the handle power the electronics. An automatic power-off circuit switches the instrument off, if the cup assembly is stationary for more than 4 minutes. As an option, wind speed data can be transmitted to an external device in 1-second intervals via a RS-232 serial port (only on the RVM 96B-1/T).

The RVM 96B-1 can be set to measure wind speed in m/s, km/h, knots, or mph. The speed unit is user selectable.

A mechanical system with a vane and circular scale is used for measuring the direction of the wind. A built-in electronic compass enables proper orientation of the device.

The handle lid has standard ¼" threaded hole to enable the attachment of the device to a standard photographic tripod.

Main Features:

- Lightweight, portable digital anemometer, measuring both wind speed & direction
- Quality construction: anodized aluminium, ball bearings
- Type calibrated in wind tunnel
- Long battery life, auto power-off
- Built-in electronic compass
- Illuminated LC wind speed display
- Display of instant, 1 min average and 1 min maximum wind speed data (other averaging intervals up to 30 minutes can be specified)
- RS 232 data transmission as an option
- Suitable for military, coast guard, firemen, construction workers, sports, etc.



Sample display on the RVM 96B-1



RVM 96B-1 with storage case

Technical Data:

General:	
Power supply	4 * 1.5 V AA batteries, 5 mA, 25 mA with display illumination
Automatic power down	4 minutes (different intervals may be selected)
Battery life	70 hours (15 hours with display illumination)
Dimensions	275 mm (H) * 210 mm (W) * 140 mm (D)
Carrying case	365 mm (L) * 260 mm (W) * 150 mm (H)
Weight	0.5 kg instrument, 3 kg instrument with case

Wind Speed:	
Measuring ranges	0 m/s – 50 m/s 0 kn – 90 kn 0 km/h – 180 km/h 0 mph – 110 mph
Starting speed	0.5 m/s
Accuracy and linearity	+/- 0.5 m/s
Resolution	0.1 m/s (0-50 m/s) or 0.2 kn (0-90 kn) or 1 km/h (0-180 km/h) or 1 mph (0-110 mph)
Measuring system	optoelectronic
Indication	liquid crystal display

Wind Direction:	
Measuring ranges	0° - 360°
Starting speed	0.5 m/s
Accuracy and linearity	+/- 2°
Resolution	5°
Measuring system	mechanical
Indication	circular scale

Version 4

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