Automatic Measuring Systems for the Environment
Technology Park Ljubljana

HANDHELD ANEMOMETER
RVM 96B-1



- Lightweight, portable digital anemometer, measuring both wind speed & direction
- Quality construction: anodised aluminium, ball bearings
- Type calibrated in wind tunnel
- Long battery life, auto power-off
- Built-in electronic compass
- Illuminated LC wind speed display
- RS 232 data transmission as an option
- Suitable for military, coast guard, firemen, construction workers, sports, etc.

Handheld anemometer RVM 96B-1 is truly portable, easy to use electronic – mechanical device for wind measurements. It is used in all cases, where other instruments, due to their design, weight or dimensions, are unsuitable.

System for measuring wind speed is optoelectronic, with 3-cup Robinson's cross and digital liquid crystal display. Wind speed is sampled in 1-second intervals. Four AA-type (R6) batteries located in a handle power the electronics. Automatic power-off circuit switches the instrument off, when cup assembly is not rotating for more than 4 minutes. As an option, wind speed data can be transmitted to the external device each second by RS 232 serial port (RVM 96B-1/T).



RVM 96B-1 can be set to measure wind speed in m/s, km/h, knots, or mph. Wind speed unit can be selected by the user.

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

Lid of a handle has standard ¼" nut to enable the attachment of the device to the standard photographic tripod.

A case is provided for transport and storage of RVM 96B-1.

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TECHNICAL DATA

	WIND SPEED	WIND DIRECTION
Measuring ranges	0 m/s – 70 m/s 0 kn – 99.9 kn 0 kn – 150 kn	0° - 360°
Starting speed	0.5 m/s	0.5 m/s
Accuracy and linearity	+/- 0.5 m/s	+/- 5°
Resolution	0.1 m/s 0.1 kn (0-99.9 kn) or 1 kn (0-150 kn)	5°
Measuring system	optoelectronic	mechanical
Indication	liquid crystal display	circular scale
Orientation	built-in electronic compass	
Power supply	4 * 1.5 V AA batteries, 5 mA, 25 mA with display illumination	
Automatic power down	4 minutes (different intervals may be required)	
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	

Ordering information:

RVM 96B-1	standard instrument
RVM 96B-1/T	with RS 232 data transmission

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