



Applications

- Military
- General Meteorology
- Offshore Oil and Gas
- Aviation
- Firemen
- Coast Guard
- Construction sites
- Sports

Features and Benefits

- Anodized aluminum
- Illuminated LC wind speed display
- Display of instant, 1 min average and 1 min maximum wind speed data
- RS 232 data transmission as an option
- Type calibrated in wind tunnel
- Long battery life, auto power-off
- Transport case included
- Designed in accordance with NATO standards

The RVM160 is a portable, easy to use electro – mechanical device for wind speed 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.

The RVM160 can be set to measure wind speed in m/s, km/h, knots, or mph. The speed unit is user selectable.

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.

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

The RVM160 is equipped with a portable case.

Technical specifications

	WIND SPEED
Measuring range	0 m/s – 50 m/s
Starting speed	0.5 m/s
Accuracy	+/- 0,5 m/s
Resolution	0,1 m/s
Sensitivity	20 imp/m
Measuring system	stroboscopic disc, optoelectronic transducer
Power supply	4x 1.5 V AA batteries, up to 70h without illumination, up to 15h with illumination
Power consumption	5 mA, 25 mA with display illumination
Automatic power down	4 minutes
Display	LCD, graphical 102x64, illuminated
Operating temperature	-20 to + 40 °C
Storage temperature	-40 to + 60 °C
Dimensions	300 mm x 220 mm x 120 mm (L x W x H)
Carrying case	380 mm x 300 mm x 140 mm (L x W x H)
Mounting	threaded hole for camera tripod (1/4 - 20 UNC)
Material	body – anodised aluminium Robinson's cup - UV stabilized plastic
Casing protection	IP 51
Carrying weight	0.5 kg instrument, 3 kg instrument with case
Optional	serial communication RS232 with cable DB-9, 1.5m

