

SVR-PRO HANDHELD RADAR VELOCITY METER - LOGGER

Handheld instrument for measuring the surface velocity of stream water of rivers, open channels, waterways, etc.. with embedded data logger.

Contactless measurement. Unit based on high sensitivity transmitter and receiver radar in K band frequency. Compact housing in a lightweight waterproof case and rugged gun grip. High performance with the application software controls on touch screen. Integrated data logger with date / time; determination of the superficial velocity of the water; compensation of horizontal and vertical angles; wide flow rates ranges from 0.2 to 20 m / s; Li-ion batteries; possibility to install on a tripod. Simple and intuitive. Serial port do download data to computer; internal error correction for cosine compensation of vertical angles up to 60 degrees.



Further models:

- SVR-STD Handheld radar meter base
- SVR-FIX fix radar meter

TECHNICAL SPECIFICATIONS

Work frequency:	34.7 GHz \pm 100 MHz (Ka-Band)
Velocity range:	from 0.2 m/s up to 20 m/s
Units:	MPS meters-per-second; FPS feet-per-second; KPH kilometers-per-hour; MPH miles-per-hour
Accuracy:	$\pm 0,3$ % of reading
Horizontal cosine:	0°- 60°, sensibility 0 - 8
Antenna parameters:	type Ka-band, IACP type III
Nominal frequency:	transmission 34.70 Ghz
Horizontal beam width:	12° +/- 1° nominal
Polarization:	circular
Rated power output:	microwave 15 mW
Max power opening:	1 mW/cm ²
Work temperature:	-30°C ...+70°C with 90% RH non-condensing
Dimensions:	WxHxD 21.8x25.9x7.9 cm.
Housing:	cast aluminum and PVC
Power supply:	7.2 ... 20Vdc, rechargeable Li-ion battery 18V 1.3 Ah
Consumption:	standby 0.200 A; antenna ON A 0.450



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