FloStick

RC4 Water Velocity Meter

Summary



The **Aqua-Data FloStick RC4 Water Velocity Meter** is a stand-alone instrument comprising velocity probe, wading rod and display housing, all in a single integrated package. It uses the Faraday principle of electromagnetic induction and advanced analogue and digital electronics to offer an accurate, robust and low-cost method of measuring water velocity, and logging data for later analysis.

The enormous advantages of this Faraday method compared with ultrasonic or Doppler methods are well established. This single integrated instrument offers a unique and convenient tool for making quick, easy and accurate measurements without any setup, configuration or calibration being necessary.

Simply remove it from its carry bag, and it is ready to use in seconds!

Key benefits



- Wider measurement range; from true zero to 2.0m/s (3m/s optional)
- Reverse or saturated flow is indicated
- Exceptional sensitivity, ideal for measurements in very shallow and sluggish flows
- Equally accurate in clean or dirty water
- Small probe permits measurement close to fluid surface and channel bed or pipeline wall
- Unaffected by temperature variations and changes in density or suspended sediment
- Unique probe design for low vulnerability to fouling by weeds in rivers, or ragging up in sewers
- No moving parts and maintenance free
- Calibrated for life if maintained correctly
- Accuracy of 2% of reading, typically +/- 30mm/sec

Aqua Data Ltd, The John Galt Building, Old Witney Road, Eynsham, Oxfordshire, OX29 4PU, UK
T: 01865 236030 E: admin@aqua-data.com www.Aqua-Data.com

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FloStick
RC4 Water Velocity Meter

Technical features

For full details refer to www.Aqua-Data.com

Polyamide hi-visibility case sealed to IP65, with graphic LCD and encoder interface to make measurement and control easy with one hand.

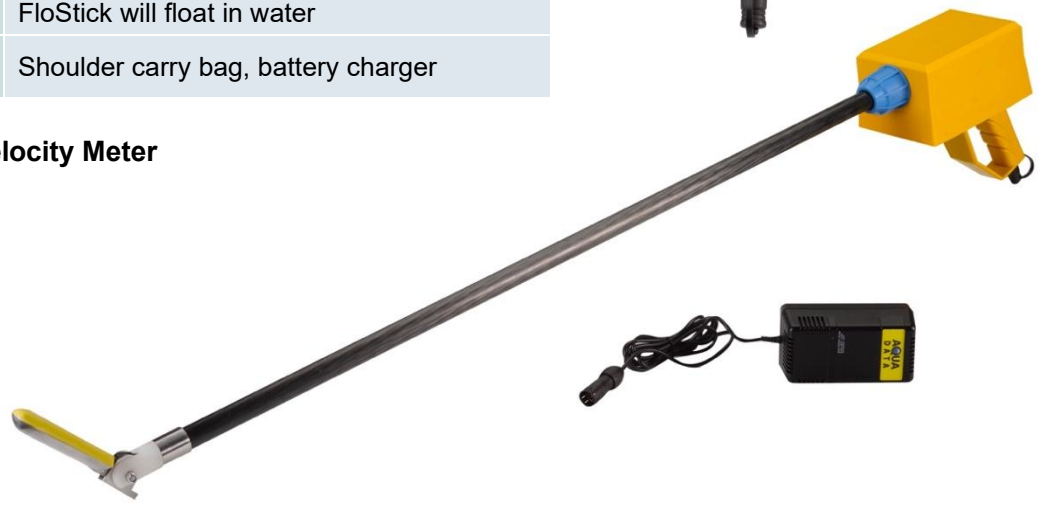
Text is displayed as icons or in a wide choice of user-selectable languages. Any language may be requested as an option.

Velocity range	Calibrated from 0.000 to 2.000 m/s
Resolution	0.001 m/s
Accuracy	2% max reading + zero stability
Zero stability	Typically +/- 30mm/sec, Max +/- 40mm/sec
Dimensions	Control box approx. 170x110x200mm (incl. handle) Probe rod approx. 900mm Probe 20x30x100mm
Display	144x32 graphic LCD with blue backlight, readable in bright sunlight
Power supply	Built-in 5200mA-hour lithium ion rechargeable battery
Duration	30 hours continuous use minimum
Weight	1.4kg
Environmental	-10C to +50 ºC, IP66 (IP67 optional)
Buoyancy	FloStick will float in water
Included accessories	Shoulder carry bag, battery charger





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