

Designed For Reliability..

WATER FLOW/SURFACE WATER

General Description

The HyQuest Solutions RedBack current meter is our new generation cup-type current meter. It allows the measurement of water flow in streams, open canals, pressure pipes, lakes and seas to a fine degree of accuracy and repeatability, this is due to its advanced contact switching system and interchangeable bucket system that provides trouble free operation.

The meter is made to be used in the most extreme environments and ensures reliable field service for many years.

The RedBack is supplied in a kit which is affordable and user friendly, allowing the operator to measure water flow using a simple traditional method.

Features

- Robust construction
- Interchangeable buckets in case of damage
- High accuracy $\pm 1\%$
- Advanced contact switching system
- Minimum starting velocity 0.025m/s
- Maximum Velocity 8.0m/s
- Durable Tungsten tip pivot and bearing assembly for long lasting replicated motion
- Direct velocity reading when used in conjunction with the CMCsp, PVD100 or PVD200

Specifications

- Construction
 - Cast brass body, nickel plated
 - 6 Durable glass filled nylon buckets
 - Stainless steel bucket wheel frame
 - Stainless steel pivot with tungsten carbide tip
- Operating Velocity Range : 0.025 m/sec to 8 m/sec
- Reed Switch: Encapsulated reed switch
- Output Signal:
 - Voltage free digital signal:
 - 1 full revolution of bucket assembly produces one pulse
 - Converted to direct velocity reading when used in conjunction with our PVD100, CMCsp or PVD200
- Overall Accuracy : + 1 %
- Calibration :
 - Meter supplied with batch calibration certificate
 - Individual meter calibration available on request; additional cost applies
- Calibration Method:
 - When calibration is requested the calibration is performed in accordance with AS3778.6.3/ISO 3455 standard
 - Up to 3 line fit
 - Supplied with calibration and a rating table
 - Calibrated over full velocity range
- Carry Case : Heavy duty case with durable moulded foam

- Basic Kit Contains:
 - Bucket Meter, screw driver, 2.5 m connecting lead, calibration certificate and table and 30 ml's of current meter oil
- Dimensions : (500x 390x190)mm
- Mass : approx 5 kgs



Model RB1
REDBACK CURRENT METER

Accessories

- Tail fin
 - Top set wading rod
 - Wading rods and wading rod adaptor (Part No. WR18)
 - CMC20A, CMCsp, PVD100 or PVD200 Current Meter Counter
 - Head phone kit Model HPK
 - Gauging Weights and Gauging Winches
- N.B. Specifications are subject to change at any time without notice.

Contact Us

General Enquiries USA & Latin America

Phone: 561 459 4876

Email: sales@hydrologicalusa.com

Web: www.hydrologicalusa.com

