

Designed for Reliability ...

SURFACE WATER

GENERAL DESCRIPTION

The OSSB1 Universal Current Meter is a world recognised instrument for measuring the velocity of water in open and closed channels.

Made of high grade 316 stainless steel, the OSSB1 is suitable for the most extreme environments and with proper care and maintenance will ensure many years of reliable operation for the hydrographer.

Main Features

- Streamlined and robust 316 stainless steel body and fan assembly
- Stainless steel fans (4 types available)
- Encapsulated magnetic reed switch ensuring reliability and a 'clean' contact signal
- Minimum start velocity of 0.025/sec
- Maximum velocity of 10m/sec (with Fan 2)
- High accuracy (+/-1%)
- Direct velocity displayed when used with CMCSp, PVD100 or PVD200 counters
- Easily deployed on standard wading rods (supplied with standard kit), top setting rods or bank operated winches/ traversing systems
- Calibration undertaken in conformance with ISO3455-1976

Specifications

The OSSB1 is supplied in a basic kit as follows:

Propeller type A, 3 m Connecting Lead, Tools, Oil, Spare Bearings, Spare Reed Switch Assembly, 3 x 0.6m, 20 mm diameter rods (in canvas carry bag), with point and base plate, Calibration table and Carry Case.

Propeller Specifications:

Fan No.	Diam. x Pitch	Start Velocity(m/sec)	Maximum Velocity (m/sec)	Component Effect
A	100mm x 0.125m	0.025	5	+/- 45°
1	125mm x 0.250m	0.025	10	+/- 5°
2	125mm x 0.500m	0.040	10	+/- 5°
4	80mm x 0.125m	0.025	4	+/- 5°



Packed Dimensions

500x400x200mm: 8Kg (kit in carry case)

700 x 100mm: 2kg (wading rods, 1.8m in canvas carry bag)



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