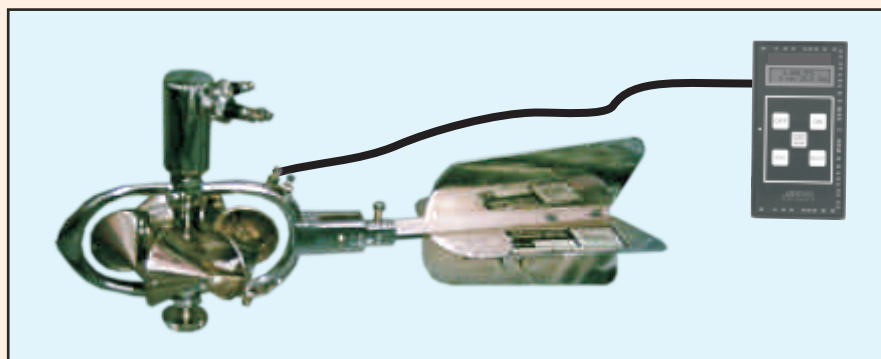


WATER CURRENT METER



Water Current Meter is used for measuring velocity of flowing water in rivers, canals & streams. Bucket wheel current meters are made of brass, stainless steel, and bronze material duly hard chrome plated. The Current Meter is used for water velocities up to 3.3 meter / second. Bucket wheel meters have a tail fin to keep the meter pointed directly into the current. This style of meter produces a pulse signal which can be used with electromagnetic counter, digital counter or specially designed datalogger.

Current testing is usually done 1) from an overhead structure such as a bridge, 2) from the deck of a boat, or 3) while wading in the water.

The first two methods require a crane, gauging reel, and fish weight. The water current meter is attached to the cable above a fish weight, raised and lowered with the crane and gauging reel. The fish weight holds the meter against the water flow. The correct velocity can be determined by multiplying the estimated velocity in meter /second by the depth of the measurement in the water.

The advanced current meter systems include a digital preset counter. This counter tracks the numbers of revolutions electronically. It includes Alphanumeric LCD display with Pre-settable Time / Revolution. The revolution counting stops at preset time (seconds). The instrument is supplied along with its unique calibration chart. The calibration chart is used to determine the actual velocity of water flow.

Some models are true data loggers which store the data (velocity) along with Date & Time in its memory. Later all the data are downloaded to a computer via RS-232 in spreadsheet format. Which can be analysed using spreadsheet program like MS EXCEL.

The water current meter comes with 10 mtr. signal cable, Tail fin.

Optional Accessories :

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|---|--|
| (1) Digital Preset Counter or Datalogger. | (2) Wading Rod (for lowering in shallow water) |
| (3) 10 Kg. Fish weight | (4) Bridge Outfit + Gauging Reel |

SPECIFICATIONS

DIGITAL DISPLAY UNIT

Sensor Input	:	Contact Pulses / TTL Pulse
Display	:	16 x 2 character alphanumeric LCD display
User Input	:	User friendly pushbutton switches
Settings	:	Pre-settable Time in seconds (10,20,30,40...90 seconds)
Enclosure	:	Waterproof enclosure
Operating Temperature	:	0 to 60 c
Operating Humidity	:	max. 80% RH
Battery	:	9 V PP3 battery



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Mfg. of : Hydrological, Meteorological, River Gauging & Weather Equipments

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