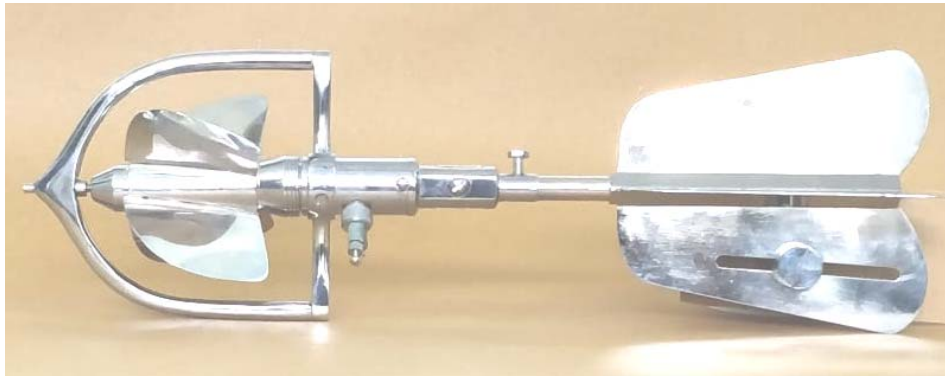


Propeller Type Water Current Meter



This "Virtual" make Propeller Type Water Current Meter is used to measure Velocity of water flow directly in m/s. The spindle carrying the propeller wheel freely rotates in the pivot assembly. The magnet and reed switch assembly produces one pulse per rotation. The rotation of the Water Current Meter is sensed by sensor & gives pulsed output signal.

As per IS: 3910-1966, the Water Current Meter employs a propeller wheel assembly that is mounted upon a pivot assembly and rotates in response to fluid flow, generating a signal that is proportional to the fluid flow velocity. The current propeller wheel assembly is made of plated brass. It employs four propeller blades that are hand formed from sheet metal and individually soldered to a brass frame. The finished unit is then plated.

The Propeller Type Water Current Meter can be suspended by means of a Fish weight (**sold extra**) wading into a stream, or by a cable and wading rod from an overhead structure. A tailpiece assembly assures proper alignment of the meter to water flow when suspended by a cable. Velocity is determined by counting the number of revolutions of the propeller wheel over a given period of time. Revolutions can be monitored by several means. "Virtual" make **Digital Water Velocity Indicator / Logger (sold extra)** by configuring the indicator with calibration equation (provided with each meter), it will result the direct current velocity of the stream in Meter per second. The meter is made from brass and stainless steel and all exposed surfaces are chrome plated for corrosion-free service. A standard rating table can be provided (**chargeable extra**) to convert propeller revolutions to stream velocity in Metric units (meters per second). Standard system comes with spare parts, instrument oil, cleaning cloth, screwdriver and a rugged carrying case.

Specifications:

Model:	Propeller Type
Current meter body:	All parts of brass, chrome plated
Operating Range:	0.3 to 3.5 Meters per second
Accuracy:	For velocities >0.3 m/s, 0.5% Full scale
Velocity Indicator:	a. Digital Water Velocity Indicator (Optional)
Instrument case & Accessories	Instrument oil, cleaning cloth, screwdriver with 10kg fish weigh, 10m suspension wire and a rugged wooden carrying case.

