

Designed For Reliability..

WATER FLOW/SURFACE WATER

General

The HyQuest Solutions Span Master Travellerway is our latest innovation to perform water discharge measurement using ADCP technology.

The unit was designed to aid in water discharge measurement where simple cableway installation is required to drive the ADCP across the river and back.

The span master consists of a manual winch fixed to the operating side post. The winch is manually operated at a desired speed by the operator.

The Span Master is used in conjunction with an ADCP to measure water profile across the river.

A 5 kg stabilising weight can be used to stabilise the ADCP in order to keep it from tilting nose up in fast flow or to avoid it from flipping upside down when water current is turbulent.

The manual winch on the operating side is used to drive the ADCP from one side of the river to the other side. Two methods can be used when using the Span Master and the ADCP. The first method is to perform point measurement at different sections of the river. The second method is to drive the ADCP at a constant speed slower than the water speed so that the ADCP can measure the water profile across the stream cross section.

Features

- Easy to install
- Robust Construction
- Forward and Reverse Operation
- Positive Weston-style brake
- Ability to hold load at any position
- Stabilising Weight (Optional)
- Span up to 40 metres
- Suitable for use with ADCP
- Eyebolt for attaching the flow sensor
- Corrosion Resistant
- Optional power drill attachment

Specifications

Winch:

- Brake: Positive Weston-style brake will hold the load in any position.
- Construction: Compact, lightweight and rugged construction.
- Guard: Mechanical components enclosed for protection and safety (Stainless Steel Guard).
- Paint: Baked enamel for corrosion protection.
- Gears: Ratio: 5:1, Heat-treated gear
- Handle: Robust & removable.

Travellerway:

- Endless Cable: 5 or 6 mm (3/16" or 1/4") Stainless Steel or Galvanised wire, 7X7 (optional not supplied)

- Pulley Capacity: 500 mm per revolution (using 5mm diameter wire)
- Maximum Span: 40 metres
- Post Construction: Galvanised Steel
- Post Head & Traveller Block: Non-Corrosive Alloy
- Post Head Sheave: Non-Corrosive Cast Bronze



**Span Master
Model SMK**



Contact Us

General Enquiries (Australia)

Phone: +61 2 9601 2022

Email: sales@hyquestsolutions.com.au

Web: www.hyquestsolutions.com.au

General Enquiries (New Zealand)

Phone: +64 (0) 7 857 0810

Email: sales@hyquestsolutions.co.nz

Web: www.hyquestsolutions.co.nz