

Designed For Reliability...

SURFACE WATER

General

The Hornet Sediment Sampling (SS) Cableway System is designed primarily for undertaking depth integrated sediment sampling using a D49 type sampler. The product can also be used for towing an ADCP for flow gauging across a stream or deployment of a mechanical current meter

(load limit 45kg:100lb). The Hornet SS can be easily installed on new or existing cableways. The Hornet SS allows the hydrographer to undertake sediment sampling and flood flow measurements in a safe position, well away from any hazards presented by flood waters. The Hoist/Remote Control components can be easily transported from site to site to give the hydrographer flexibility in gauging multiple sites.

Features

- Fully Controlled System
- Portable 48 VDC powered Hoist can be used on multiple cableways
- No Maintenance Required
- Used with Suspended Sediment Samplers, Acoustic Doppler Current Profilers or Mechanical Current Meters
- Maximum Span 400 Metres Typical
- Wireless Remote Control

- Radio Controlled Hoist, up to 1 Km (0.62 miles) range.
- Easily retro-fitted to existing sites
- Ground feeler attachment is standard for Hornet SS

Specifications

- Traversing System
 - Power Requirements 0.8KW 110 VAC / 240 VAC (2 separate models) (1000 Watt Generator or Mains Power)
 - Speed Drives carriage up to 1 m/s (3.2 ft/s)
 - Distance Measurement 0.01m / 0.01 ft resolution
- Hoist
 - Lifting Speed Control 0.01 to 0.73m/s (0.02 to 2.39ft/s)
 - Lifting Capacity 45 Kg / 100 lbs
 - Power Requirements 48VDC (2 x 24 VDC 20 Ah Batteries) Cable 45m of Amergraph cable
 - (Power driven sheave and grooved drum to ensure cable lays evenly)
 - Depth Measurement 0.01m / 0.01ft resolution Conforms to USGS Water Supply Paper 2175
 - Ground Feeler Detects river bed
 - Inclinator + 45° measurement

- Current Meter Built in signal processor
- Remote Control
 - Controls Raise / Lower Control + Battery Voltage monitoring Forward / Reverse + Speed control
 - LCD 16 char x 2 line with backlighting
 - Calculates horizontal distance and vertical depth etc.
 - Radio Frequency
 1. USA 902.5 to 914.5 MHz
 2. AUS 915.5 to 927.5 MHz



MODEL HORNET SS

Please note the sediment sampler is optional

N.B. Specifications are subject to change at any time without notice.



Contact Us

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