

Uni-CountLM

Cable Counter With Load Monitoring (wired)

1. Introduction

Developed by Unique Group to meet the specific demand for sheave with load monitoring for winches, the Uni-CountLM is a reliable and accurate system for measuring the cable length and load.

Developed to help Oceanographers, Hydrographers and Surveyors who require an accurate measurement of deployed cable and the load exerted on the cable for safety reasons in conjunction with applications including Side Scan Tow Fish, Magnetometers, ROVs, CTD Systems, Undulating Towed Vehicles, Sub-bottom Profilers, etc



Capsule Electronics



Uni-CountLM



Display Cable Count

2. Features

- > Alpha-numeric LCD display
- > High Resolution & Accuracy
- > Addressable up to 8 counters
- > RS232 communication ports + USB port
- > Custom OFFSET and RESET of Cable length
- > Accurate load monitoring feedback for safety cutoff of the winch operation
- > User friendly operation

3. Applications

(Interfacing with Uni-Winch CEW500)

- > Side Scan Sonars
- > Sub-Bottom Profilers
- > CTD Systems
- > ROVs etc.

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Cable Counter With Load Monitoring

4. Specifications

Size	7" (180 mm)
Height	385 mm
Sheave Wheel Diameter	186 mm
Overall Width	135 mm
Weight	6.4 Kg
Maximum Cable Diameter	6mm -17mm (max)
Safe Working Load (SWL)	1 Ton (at head fitting)
Material	Strong Aluminum Alloy (Anodized) with SS316L fittings

5. Transmitter Specifications

Frequency	433 MHz (8 Channels)
Transmit Power	160mW (max)
Power	3.6VDC Li-SoCl ₂ Battery
Maximum Count	0 - 9999

6. Receiver Specification

Dimensions	180 X 132 X 56 mm
Data Output	RS232 (9600,8N1) formats accepted by survey software + USB (Direct Serial Data)
Display	LCD Display (for cable count only)
Power	12 VDC (External or USB device)
Operating Temperature	-55°C to +85°C (Battery)

