

Hand / Motor Winch with 30 kg Payload

Ergonomic Lifting Gear

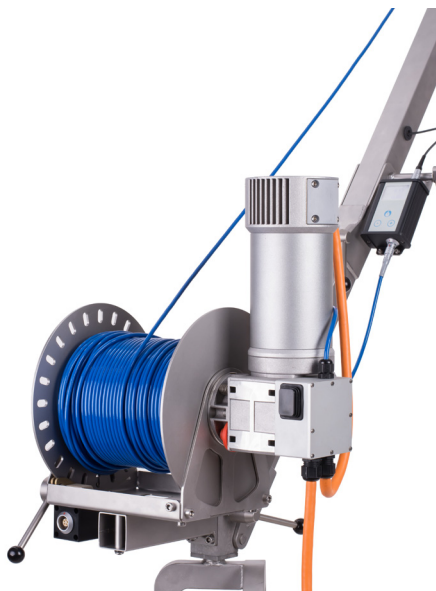
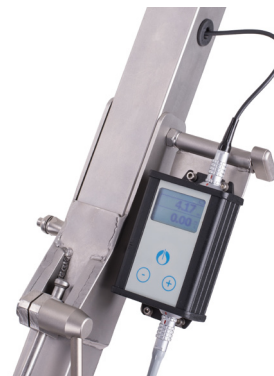
ABOUT

With this new Hand Winch payloads of up to 30 kg can very easily be handled. The two-stage gearbox provides direct drive and a 1:3 reduction. Needless to say that the gearbox can be shifted even under

load. Additional benefit of the gearbox: When heaving weighty loads with active gear reduction you operate the crank handles ergonomically correct, away from the body. The shift gearbox is embedded into the drum core, well protected against dust and water.

A ratchet brace avoids accidental unreeling during heaving and a manually operated disc brake cares for a safe deceleration during veering.

The electronic counter indicates the length of deployed rope, the remaining rope capacity and the current cable speed. This makes it easy to exactly meet the schedule for e.g. a CTD profile or the recommended descent speed of an Integrating Water Sampler IWS. A high-contrast display clearly shows the data even in direct sunlight.



FEATURES:

- › Manual drive with 2 crank handles
- › Two-stage gearbox
- › Angular adjustable boom
- › Electronic speed and meter indicator
- › Ergonomic design
- › 5-way slip ring (optional)
- › Electric motor with speed controller (optional)



Slip rings

Additionally the core of the drum can accommodate a slip ring device which allows the online use of CTD probes or any other electronic measuring instruments.

The drum capacity of the winch is rated to 300 meters rope, 150 m electro-mechanical five-conductor cable or 200 m electro-mechanical two-conductor cable.

Motor

The winch can be delivered or retrofitted with an electric motor with speed controller. The motor is simply attached to the winch by means of a bayonet fitting. The 260 W motor is water protected against heavy seas (IP65) and only needs 12 V DC power supply. A simple automotive battery is the perfect power supply. A feedback from the electronic counter to the speed controller allows the user to preset the rope speed at will.

TECHNICAL DATA	
Payload	30 kg
Gear	Shift gearbox 1:1 and 1:3
Drum capacity	300 m fiber rope (3 mm dia.) 200 m two-conductor cable (3.7 mm dia.) 150 m multi-conductor cable (4.8 mm dia.)
Water protection	IP65, protected against heavy seas
Material	Stainless steel, AISI 316
Weight	Hand winch: 15 kg Electric motor: 7 kg

ORDERING INFORMATION	
Products	
440 100	Hand Winch , manual drive with 2 crank handles Manual disc brake, manual ratchet brace, adjustable boom Electronic cable length and speed indicator Incl. two alternative mounting devices Without rope/cable
440 101	Hand Winch as above, with additional 5-pin slip ring device Without rope/cable
440 103	Motor 12 V / 260 W with speed controller for Hand Winch Protected against heavy seas (IP65)
440 110	Five-conductor cable , diameter 4.8 mm PUR-coated vectran fiber cable Breaking strength 500 daN With mechanical termination and Subconn connector Available lengths: 50 / 100 / 150 m
440 111-200	Two-conductor cable , diameter 3.7 mm PUR-coated vectran fiber cable Breaking strength 300 daN With mechanical termination and Subconn connector Length: 200m
440 202	DYNEEMA rope , diameter 3 mm, with end-eye Breaking strength 950 daN Available lengths: 100 / 200 / 300 m

