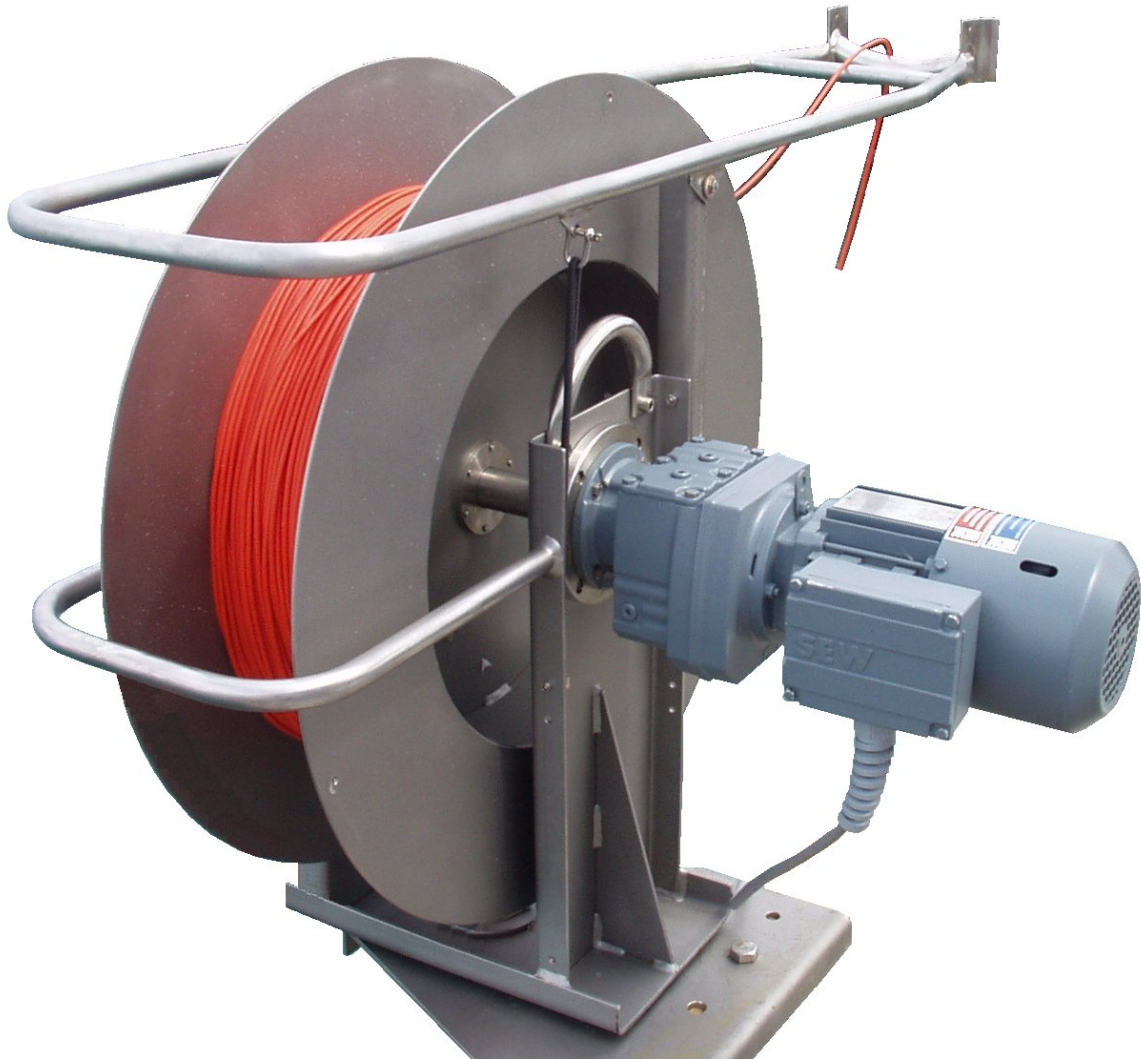


Ship winch for microstructure profiler Type SWM 2000

Product information



Contact:

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The portable ship winch SWM2000 for microstructure probes is specially designed to operate free sinking microstructure probes.

The SWM 2000 is not designed for general oceanographic or hydrographic applications.

The SWM 2000 consists of the following parts (see figure 1):

- Winch frame with cable drum
- Mounting plate for the winch for mounting at the ship's bulwark
- Outrigger to guide the cable
- Motor with brake
- Control unit for the winch
- Handheld for manual motor control

Technical parameters

Power supply	230VAC +/-15%
Power consumption	approx. 1 kW
Max. tension	approx. 45 kg
Speed	variable 0...approx. 2 m/s
Cable drum capacity	approx. 2000 m cable Ø 5.6 mm
Slip ring	4 wires
Material	stainless steel
Weights	
Motor	24 kg
Winch frame with drum	52 kg (without cable)
Mounting plate	8 kg
Outrigger	4 kg
Total weight of winch	approx. 88 kg (without cable)

The winch SWM2000 is CE certified.

Notice: Specifications are subject to change without prior notice.

For special applications, customer designed winches can be delivered.

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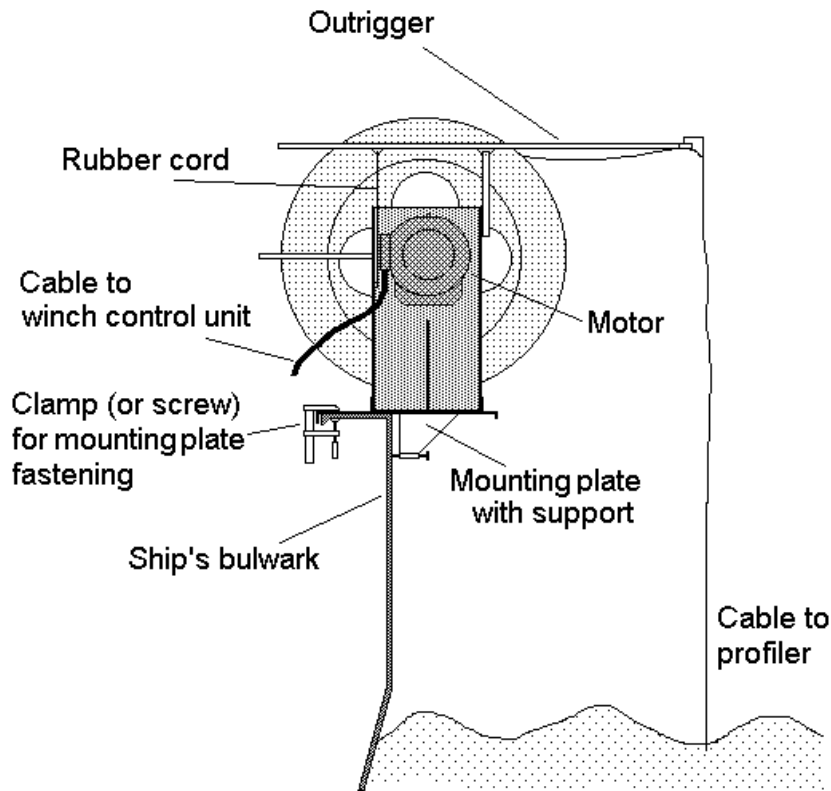


Figure 1: Schematic sketch of SWM 2000 mounted to the ship's bulwark

Mounting

The winch is mounted with its mounting plate on ship's bulwark as shown in figure 1 and 2.

The mounting plate is secured to the bulwark with two bolts of 12 mm diameter. Alternatively, the mounting plate can be secured with two heavy-duty C-clamps as shown in figure 1. The mounting plate fits onto bulwarks up to 200 mm width.

The horizontal support bolt in the mounting plate must be adjusted such that the mounting plate sits flush on the bulwark.

The frequency converter box for the winch motor must be mounted within approx. 1 m of the winch. The frequency converter box is splash proof. Figure 3 shows the completely installed winch. In figure 4, the cable connection of the SWM 2000 is shown.

Notice: The winch has to be mounted at a place with no direct attack of waves.

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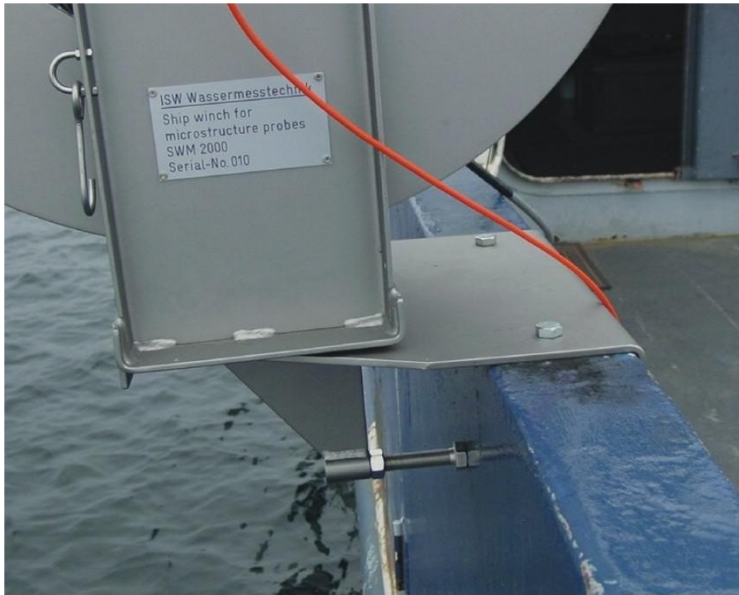


Figure 2: Installed mounting plate at the ship's bulwark



Figure 3: Completely installed winch

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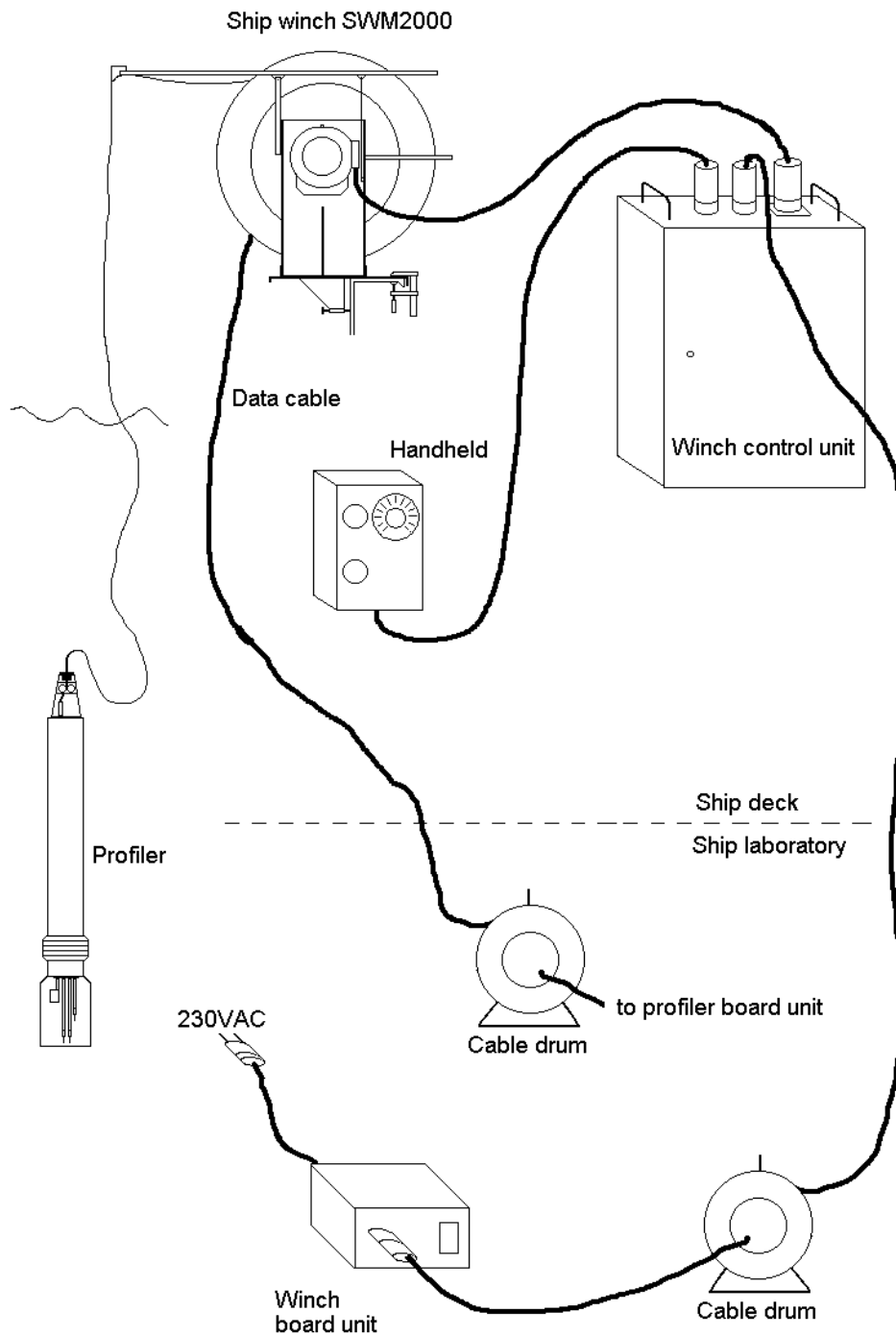


Figure 2: Cable connection scheme for the SWM 2000

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