



SUBSEA TECHNOLOGY & RENTALS

STR POWERED CABLE REEL

The **STR Powered Cable Reel** is a compact winch specifically designed to provide an economical deployment solution for towed systems and oceanographic sensors on small vessels.



KEY FEATURES

- Stainless steel construction
- Robust and lightweight design
- High duty 24VDC motor
- Maintenance free slip ring
- 300m cable capacity
- Single speed and variable speed option

STR POWERED CABLE REEL

STANDARD CONFIGURATION

A high duty 24VDC motor is fitted to both the PCR-75-SS single speed and PCR-75-VS variable speed models. Both models can be powered by a 24VDC battery pack or optional PCR-75 Power Supply Unit. The stainless steel construction is designed to be low maintenance and lightweight for easy installation. A safety clutch is fitted to prevent damage to the deck fastenings and equipment in the event of snagging. Both models are prepared for a maintenance-free slip ring and designed for 300m of 0.25" armoured coaxial and multicore instrument cable for multiple applications.

UXO DETECTION

Unexploded Ordnance (UXO) risk management is proving to be an ever increasing requirement for pre-installation surveys of offshore wind farms and cable/pipe laying operations. With the aid of up to 5 powered cable reels, **STR** has successfully developed a turnkey solution for marine UXO detection which offers considerably improved survey cost effectiveness. The STR Magnetometer Extender System is a proprietary 5 channel serial extender platform with subsea power conditioning to effectively integrate an array of marine magnetometers towed independently. A topside control interface gives the user individual or combined control of the magnetometer towfish altitude above the seafloor and each telemetry link provides a robust output to magnetometer data acquisition and processing software packages.

MODEL PCR-75-SS

Motor: 24VDC, 740 Watts
Reverse input polarity protection
Internal soft start system

Motor Current: 20A @ 50kg load
(24VDC)

Brake: Electrical brake integral
with motor

Safety Clutch: 784 N
(80k g line pull)

Drum Capacity: 300m of ¼"
armoured coaxial or
multicore cable

Drum Speed: 27.5 RPM

Max Line Speed: 0-27m/min

Max Line Pull: 75kg

Control: Pendant controller

Construction: 316 L Stainless Steel

Slip ring: 4 Way slip ring

Safety: Emergency stop button
Warning buzzer and
flashing beacon

Weight: 90kg (bare drum)

DIMENSIONS

Width: 83cm
Depth: 70cm
Height: 66cm

MODEL PCR-75-VS

Motor: 24VDC, 740 Watts
Reverse input polarity protection
Internal soft start system

Motor Current: 20A @ 50kg load
(24VDC)
Internal over current protection

Brake: Electrical brake integral
with motor

Safety Clutch: 784 N
(80k g line pull)

Drum Capacity: 300m of ¼"
armoured coaxial or
multicore cable

Drum Speed: 27.5 RPM

Max Line Speed: 0-27m/min

Max Line Pull: 75kg

Construction: 316 L Stainless Steel

Control: Joystick pendant
controller

Slip ring: 4 Way slip ring

Safety: Emergency stop button
Warning buzzer and
flashing beacon

Weight: 90kg (bare drum)

DIMENSIONS

Width: 83cm
Depth: 70cm
Height: 66cm

PCR-75 POWER SUPPLY UNIT

Input: 100V - 240VAC 50/60Hz

Output: 24VDC, 1500 Watts

DIMENSIONS

Width: 30cm
Depth: 21cm
Height: 40cm