

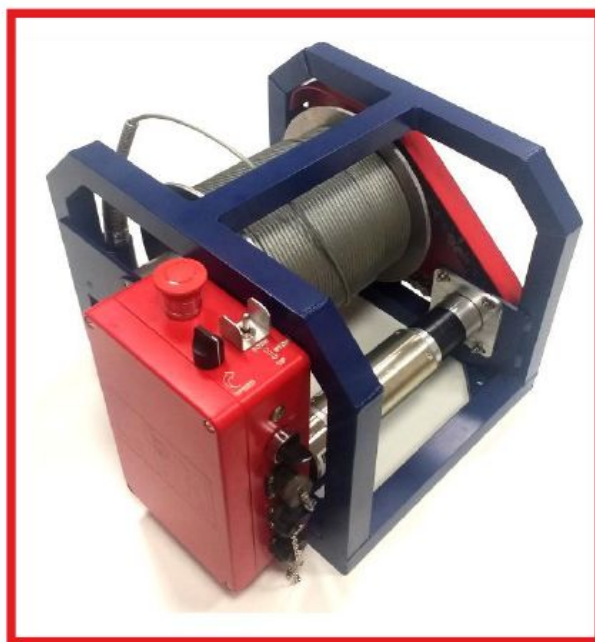
TECHNICAL DOCUMENTATION

WINCHLIM150 BASIC USER INFORMATION

PART N° 70100

1. SUMMARY & SPECIFICATIONS

The **WinchLIM 150** provides a powerful yet compact solution for geophysical logging operations down to depths of 150 m when equipped with standard 4 – conductor 3/16" cable.



Specifications

- ✓ Cable capacity: Max 175 m (498 ft) of 4-conductor (3/16") cable
- ✓ Maximum winding speed: 8 m/min (26 ft/min) 12VCC - 15 m/min (49 ft/min) 24 VCC
 - ✓ Dimensions: 41 x 42 x 32 cm (16.14 x 16.5 x 12.6 ")
- ✓ Weight: 15 kg (119 lbs) without cable – 30 kg (176 lbs) with 175 m of cable
 - ✓ Power supply: 12 or 24 VDC
 - ✓ Motor power rating: 250 W

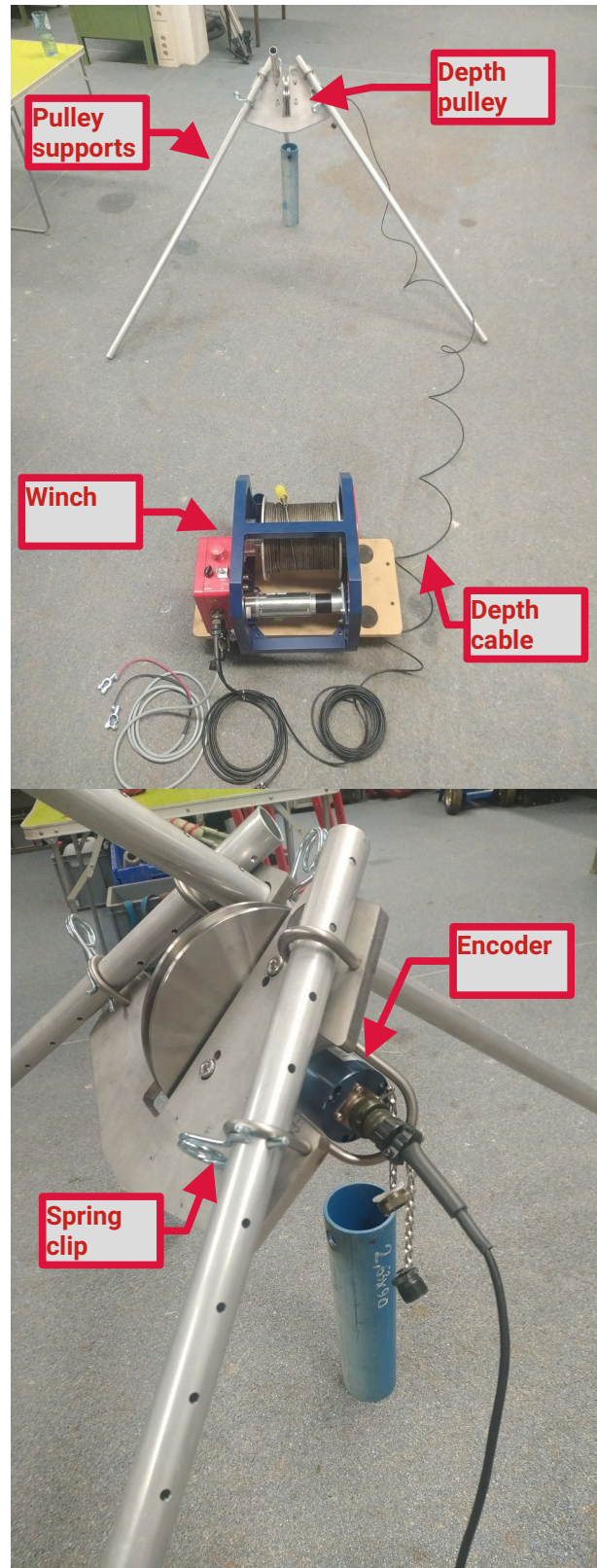
2. INSTALLATION ON SITE

2.1 The photo opposite shows how the WinchLIM150 is set-up on site when used with the standard 50 cm depth pulley and tripod (Part n° 70600)

The depth pulley cable is 15 m long but it is recommended to position the winch 4 – 5 m from the borehole.

Place the winch on a pallet or similar and secure it with tie-down straps or similar.

To avoid the winch being pulled towards the borehole when under load it should be anchored to eg. a pallet or tied back to a vehicle or other sufficiently heavy object.

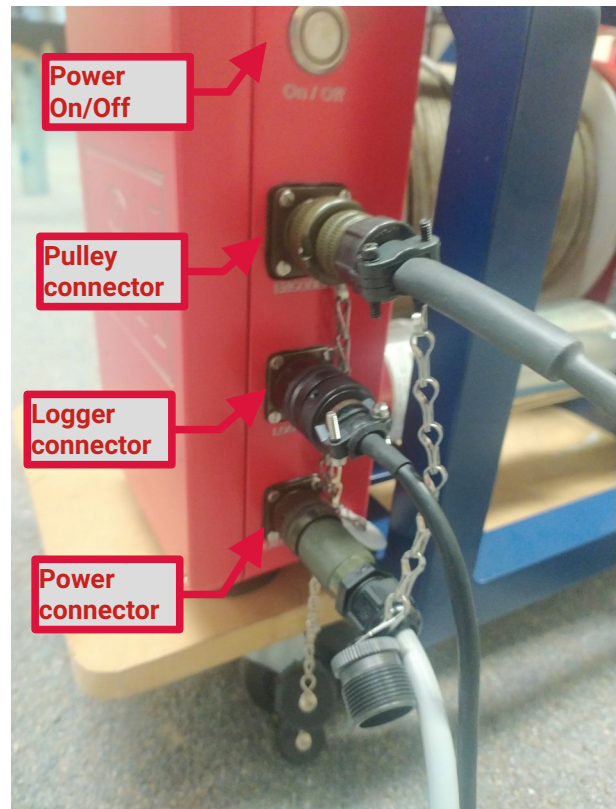


2.2 Close-up view of the depth pulley. The pulley should be set up as shown with the encoder underneath the metal plate.

In the case of a slope or uneven ground at the borehole location, the effective length of the support legs can be adjusted by re-positioning the spring clips.

NB. if the drilling machine is on location and the tripod is not convenient to use, a sling or similar can be passed through the support leg fixing rings and the pulley used in suspended mode.

2.3 Connections are made as shown opposite. From top to bottom: MIL-6 depth cable from pulley, MIL-19 cable from logger, three-way power connection from 12V battery or winch power unit (Part n° 70110).



3. OPERATION

3.1 The winch is powered On/Off by means of the button located just above the depth pulley connector (see photo above right).

The speed and direction controls are located on the upper side of the electronics housing as shown opposite.

An emergency stop button is also provided.

