

Portable Digital Recording System (DRS017)

The DRS017 is a compact portable acquisition system offering the capability to operate Ultrawire Cased Hole logging tools from any wireline logging unit.

Description

The DRS017 is a fully CE compliant portable system. It is easily transported to a well site without the need to be mounted in the logging truck or offshore unit. It provides all the data acquisition and processing functionality necessary for Sondex* Cased Hole Ultrawire tools. The system gives an engineer the ability to acquire and process tool data anywhere that has electrical power and connections to the logging cable. The portable logging system may be securely fitted into a rugged container for transportation. The front panel of the container opens to provide access to the controls (On/Off, Line Voltage) and thermal plotter. At the rear are the power (mains in, mains out), line and USB hub for computer connection as well as provision for inputs of depth, tension, etc.

Three variants are offered dependent upon the user requirements, as detailed in Table 2. The DRS017 is sold with the MIB006 General IO breakout box for convenient termination of user transducers to the DRS017 and all cables ready for out-of-the-box use. The protective transport case is optional but recommended for mobile use.

Features

- Portable, for use in any wireline unit
- Supplied with compatible Dell laptop (see Table 2: System Variants)
- Integrated thermal plotter
- Telemetry sync indicator lamps
- Tension, analogue, digital, and counter inputs
- Depth encoder input
- Remote display interface
- Open circuit line voltage cut out
- USB connections at the front



DRS017

Table 1

Specifications	
Dimensions	Panel: 7.0 (H) x 19.0 (W) x 25.6 (D) inches 175 (H) x 483 (W) x 650 (D) mm In transportation case : 11.3 (H) x 21.9 (W) x 30.9 (D) inches 285 (H) x 555 (W) x 785 (D) mm
Weight	Panel: 40 lbs (18 kg) In transportation case: 71 lbs (32 kg)
Input Power Supply	85–265 V AC
Wireline Supply	Up to 500 V at 600 mA
Ports	USB 2.0 hub with 6 spare ports (3 at the rear and 3 at the front)
Operating system	Windows® 7 Professional 64-bit
Plotter	8.25 inch wide B and W thermal plotter
Data files	LAS, LIS (NTI, TAP, IMG)
Plot files	TIFF, PDF
Tool compatibility	Sondex Ultrawire
Software	Warrior™ 8 and Sondex Utilities
Depth interface	Current or voltage pulse encoders
General I/O	Digital/analogue inputs

Table 2

Specifications			
Part Number	Logging panel/printer provided	Warrior Software provided	Laptop provided
DRS017	✓	✓	✓
DRS017-1	✓	✓	
DRS017-2	✓		

Ancillary Equipment

MIB006 – General I/O Breakout Box

Sold as part of all DRS017 systems, the MIB006 provides termination interfaces to the general inputs and outputs of the DRS017.

DLC007 – Dummy Logging Cable Box

Sold as an optional extra, the DLC007 provides a simulator for short, medium and long length cables.

An Earth Safety Clamp is also provided with the DLC007.

420384 – Field ready protective transport case is available separately

