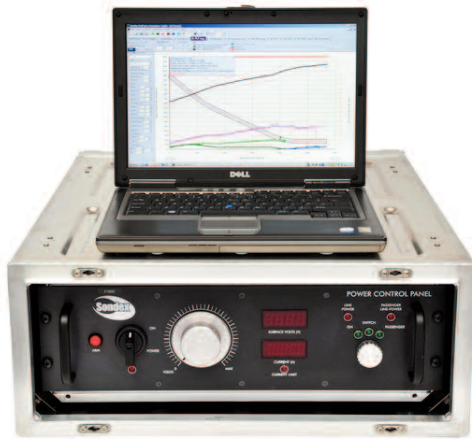


Surface Control Panel (MCP)

The MCP is the surface panel, required to power and control the Downhole Tractor (MDT) or Downhole Electric Cutting Tool (DECT) via the integrated modem and power supply and an external PC.

Description



The control panel runs off mains power and controls the functions and power supply to operate the Tractor or DECT. The MCP is connected to the winch collector and logging cable. The surface panel has four controls – mains on/off switch, voltage control dial, function switch and safety interlock switch. In combination with a laptop computer, and the tool specific software, the logging engineer has full control of a Tractor or DECT.

The voltage control dial adjusts the supply voltage for setting the tractor tool clutch, drive arm opening and speed control during tractor operation. It is used for setting the anchor arms and speed control during DECT operation. Power cannot be applied by this control unless the spring biased interlock switch has also been operated. The function switch allows passenger panels to be connected to passenger tools for logging. Currently it is not possible simultaneously to log passenger tools whilst tractoring. During tractor and DECT operations, all parameters can be monitored and recorded via the laptop.

Features

- Contains a modem for communication with the tool.
- Uses data logging PC to communicate with the tool via the MCP modem.
- Bi-directional serial link for connection and communication between the PC and MCP.
- Positive and Negative passenger tool voltage supported.
- Automatically selected mains input to 110 or 240VAC.
- Helicopter transportable.
- Monitors and controls tool operation.

Specification

Panel dimensions	19in x 20in x 6in (483mm x 508mm x 152mm)
Panel weight	46.1lb (20.9kg)
Shipping dimensions	21.3in x 27.6in x 8.7in (541mm x 701mm x 221mm)
Shipping weight (excl.DLC)*	81.6lb (37kg)
Power requirements	110VAC, 18A or 220VAC, 9A
Output capability	0-1000VDC, 0-2A
Modem frequency	4 to 5kHz

*When the Dummy Logging Cable (DLC) is shipped as well, the shipping weight will increase by approx. 9lbs (4kg).