

ANALOG PANEL - OPEN HOLE/CASED HOLE

40 Series Panel



PRODUCT DESCRIPTION

This panel by BenchMark Wireline is designed to acquire and display depth and tension data from a measuring device mounted onto a wireline logging winch unit.

The panel serves as an electrical interface between the measuring device and the acquisition system. It also provides the operator a means to set and make adjustments to the configuration and data as necessary.

Depth is displayed from data provided from an encoder mounted on a measuring device. The encoder quadrature pulses are passed through to the acquisition system. The tension data is provided by a load pin and is also passed through to the acquisition system.

The panel also includes an Internal data recorder which continually records depth, tension, line speed, date and time. This data can be retrieved by removing the internal compact flash card or through a USB port on the front of the panel.

PRODUCT FEATURES

- Digital displays for depth, line speed, tension and CCL depth or offset (or MMD)
- Analog incremental tension meter, 4 inch (108 mm) dia., 270 degree
- Differential or Incremental tension zero push button switch
- Excessive tension alarm setting allows operator to set tension alarm to a predetermined value. Contact closure is provided for winch shutdown
- Zero Depth button - sets depth to 0. Depressing button again resets depth to previous setting. Can only be set when line speed is zero
- Approaching surface alarm
- Depth adjust up or down switches. Can only be set when winch is stopped
- Load pin zero & calibrate controls
- Depth & tension saved in non-volatile memory at power loss
- Outputs for Magnetic Marks, Tension and Encoder to interface to the surface acquisition system
- RS232 Interface for additional control and data outputs
- Internal data recorder which continually records depth, tension, line speed, date and time. USB port on the front of the panel to provide access to the data using a PC
- Can be configured for any combination of FEET/METERS or POUNDS/KGS
- Includes built-in stretch correction algorithms

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GENERAL SPECIFICATIONS

Height	5.22 in	.132 m
Width	19.00 in	.482 m
Depth	5.00 in	.127 m
Weight	5.50 lbs	2.49 kg

OPERATING SPECIFICATIONS

Temperature Range:	Maximum Range -20 to 140 degrees F or -28.9 to 60.0 degrees C
Power Supply Range:	9 – 30 VDC @ 2 AMP Maximum
Maximum Line Speed:	3,000 ft/min @ 600 pulses/ft or 914 meters/min @ 600 pulses/.30 meters
Digital Tension:	6 Digits Accuracy with 1lb or 1kg resolution
Digital Line Speed:	6 Digits with .1 ft or .1 meter resolution
Tension Transducers:	Passive low voltage, Differential voltage, 4-20ma current loop

