

UNIVERSAL DUAL TOUCH SCREEN PANEL

Horizontal Configuration

40 Series



PRODUCT DESCRIPTION

This New Generation Dual Display Winch Operators panel is designed to acquire depth, tension, CCL, and pressure from a wireline winch unit. The panel is controlled by a dedicated display system which includes a microprocessor, integral graphics processor and a touch screen display.

Some of the advantages of this hardware is:

- No operating system (no drivers, boot up failures, etc.)
- Dual Capacitive Touch screen displays covered by strong glass
- Can be configured to operate with only one of the two screens in event of damage or failure
- Not affected by power loss
- Quick on/off
- Sunlight viewable
- Wide 70 degree view angle

The panel also includes a real time acquisition board dedicated to acquire encoder quadrature, and includes a variety of analog and digital data inputs. It continuously reads depth and tension input data every 10 milliseconds, and outputs data in quadrature (reconstructed), analog, or digital formats.

The system is designed to operate on conventional 12-24 VDC electrical power. Loss of power to the panel during operation will not cause a loss of depth data, as the current data is stored internally in a non-volatile memory

PRODUCT FEATURES

- Compatible with all new and existing BenchMark measuring devices including slickline, open hole, and cased hole
- Touch screen based menu system
- Graphical meters can be set to different scales and units
- English or metric display selection available
- Adjustable brightness and Day/Night screens
- Several alarms and automatic shutdown settings
 - Over tension alarm and auto shutdown
 - Delta tension (set down or pickup) alarm and auto shutdown
 - Approaching surface alarm
- Load pin zero & calibrate controls
- Built-in stretch correction algorithms
- Password option to limit the settings that can be changed by user
- USB ports to provide acquisition board programming and access to log data using a PC
- RS232 interface for additional control and real time data outputs
- Internal data recorder which continually records depth, tension, line speed, date and time at 1 second intervals
 - Surface/Wireline unit signal Inputs = encoder quadrature, 2mv/v-4-20ma-DC tension, CCL, & pressure
 - Acquisition system outputs = depth encoder, tension, magnetic mark, and ADC signals

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GENERAL SPECIFICATIONS

Height	5.22 in	.132 m
Width	19.00 in	.482 m
Depth	3.82 in	.097 m
Weight	3 lbs	1.36 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 @ 2.5 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

