

# TOUCHSCREEN PANEL - WATERPROOF - ZONE 2



## PRODUCT DESCRIPTION

The BenchMark Wireline **Zone 2 Winch Operators Panel** is used to acquire and display depth and tension data from a wireline logging winch unit. The panel provides the operator a means to set and make adjustments to the data as necessary.

Depth is displayed from data provided from an encoder mounted on a measuring device. The tension data is provided by a load pin installed on the measuring device. The panel will operate with the BenchMark Wireline Products, Inc Slickline or Braided line measuring heads.

The system consists of two main components, the real time acquisition board and the PC. The acquisition board provides power to and processes the signals from the encoders and load pin This board operates independent from the PC and is instantly on when power is applied.

The PC uses an Intel based high speed processor running MS Windows XP embedded. The PC includes a color touch screen for operator input and command entry. The PC is Ethernet ready for connection to the internet for remote display and control.

## PRODUCT FEATURES

- Digital displays 12 - 24 VDC Power Input
- Internal PC board - Intel based personal computer board 4 gb solid state media device - Embedded windows XP operating system - Three USB ports (2 on front) - 1 RS232 port USB Mouse / Keyboard included
- Color Display - TFT LCD Backlit - 750 NITS Sunlight readable
- Touch Screen Interface - 5 wire resistive - USB interface
- Real-time Acquisition board - BenchMark Wireline proprietary design - 8051 Microprocessor based - Provides power to encoders, mag mark detector, and load cell - Processes encoder quadrature, mag mark signal, and load cell - Runs independent of PC board
- Overtension Relay Contact Closure output
- Analog output interface - Encoder quadrature output - 0-10vdc tension output - 4-20ma tension output

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## GENERAL SPECIFICATIONS

Height:	9.94"	.252 m
Width:	14.86"	.377 m
Depth:	6.81"	.172 m
Weight:	10 lbs	4.53 kg
Tension Transducers:	Passive low voltage, Differential voltage, 4-20ma current loop	

## POWER REQUIREMENTS

Input Voltage:	12 – 24VDC
Input Current:	4 AMPS Startup Surge 3 AMPS Normal Operation

## STORAGE TEMPERATURE

Minimum – Maximum Range
-22 to 158 degrees F
-30 to 70 degrees C

## OPERATING TEMPERATURE

Minimum - Maximum
14 to 149 degrees F
-10 to 65 degrees C

