

TOUCHSCREEN PANEL - STANDARD



PRODUCT DESCRIPTION

The **Hoistman's Touch Screen Panel** from BenchMark Wireline 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 mounted on a measuring device and is also passed through to the acquisition system. The panel will operate with the AM5K Dual Wheel Measuring Device for both open hole and cased hole services.

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, load pin, and magnetic mark detector. This board operates independent from the PC and is instantly on when power is applied. It also is connected to LED displays for depth and tension. This allows depth and tension to be displayed immediately on power up and always be displayed regardless of the PC status.

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

- Power Input - 12 - 24 VDC - 120 – 240 VAC 50/60 HZ - Internal UPS with 2 hour battery optional
- Internal PC board - Intel based personal computer board - 4 gb solid state media device - Embedded Windows XP operating system - Three USB ports (2 front, 1 rear) - 1 RS232 port - RJ 45 Ethernet port - USB Mouse / Keyboard included
- Color Display - TFT LCD - Backlit VGA - 400 NITS Sunlight readable
- Touch Screen Interface - 5 wire resistive USB interface
- Real Time Acquisition board - BenchMark proprietary design - 8051 Microprocessor based - Provides power to encoders, magnetic mark detector, and load cell - Processes encoder quadrature, magnetic mark signal, and load cell
- Runs independent of PC board - Connected to digital displays for real time display of depth and tension
- Overtension Relay Contact Closure output
- Analog output interface - Encoder quadrature output - 0 – 10vdc tension output - 4-20ma tension output
- Dual Intercom system included

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GENERAL SPECIFICATIONS

Height: 8.72" .221 m
 Width: 17.00" .431 m
 Depth: 5.50" .139 m
 Weight: 7.5 lbs 3.40 kg
 Tension Transducers: Passive low voltage, Differential voltage, 4-20ma current loop

POWER REQUIREMENTS

Input Voltage: 12 VDC or 115 VAC 60 HZ
 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

