

# ANALOG PANEL - CASED HOLE

## 50 Series Panel



## PRODUCT DESCRIPTION

This panel by BenchMark Wireline is primarily used as a cased hole hoistman's panel. It 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.

## PRODUCT FEATURES

- Digital displays for depth, line speed, tension
- 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 Tension and Encoder to interface to the surface acquisition system
- RS232 Interface for additional control and data outputs
- Includes built-in stretch correction algorithms
- Can be configured for any combination of FEET/METERS or POUNDS/KGS
- Works with both the BenchMark AM3K and AM5K measuring heads

# ANALOG PANEL - CASED HOLE

## 50 Series Panel

### GENERAL SPECIFICATIONS

Height:	9.25"	.234 m
Width:	10.37"	.263 m
Depth:	5.00"	.127 m
Weight:	5.00 lbs	2.26 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
Minimum Line Speed:	.6 ft/min or .182 meters/min
Maximum Line Tension:	8,000 lbs or 3,628 kg
Line Sizes:	3/16" – 3/8"      4.7625 mm – 9.525 mm
Digital Tension:	6 Digits Accuracy with 1lb or 1kg resolution
Digital Line Speed:	6 Digits with .1 ft or .1 meter resolution
Load Pin:	Passive low voltage, Differential voltage, 4-20ma current loop

