

Geothermal Depth Logger and Encoder

Displays and records depth and line speed during slick line operations

Applications

- Slickline

Features and Benefits

- Displays and records depth and line speed
- Depth correlation
- Industrial encoder (see specifications below)

Tool Description

The Weatherford geothermal depth logger operates with either a Quantum™ Quartz, Quantum Piezo, or geothermal pressure and temperature gauges. The encoder is of a high-quality construction with 512 pulses per revolution.

The unit will display and record depth and line speed during slick line operations. Using a real-time clock, the unit will automatically record the start date and time, and record depth and line speed. The data is merged with the tool data for depth-based log presentation and line speed correlation.



Geothermal Depth Logger and Encoder

Specifications

Hardware characteristics

Memory	24MB non-volatile
Acquisition mode	Real-time via Optical Encoder
Interface	USB
Power source	12 VDC external and /or rechargeable batteries
Sampling rate	1 second
Materials	Rugged Pelican case
Weight	7 lbs.
Dimensions	8.5 x 7.5 x 4.5 in. (215.9 x 190.5 x 114.3 mm)

Encoder

Resolution - PPR	512
Shaft Size	3/8"
Duty classification	Heavy
Mounting style	Shafted
Shaft type	Single ended
Output type	Differential
Termination	10 pin Connector
Input voltage	5~26 VDC
Enclosure rating	IP67
Bearings	Yes
Signal direction	Bidirectional
Operating temperature	-40 to 100°C
Commutating	No
Incremental channels	Dual with complimentary
Bolt Circle	1.88"
Electrical output type	Line Driver
Output voltage	5~26 Vdc
LED output indicator	No
H x W x D	4.76 x 2.65 x 2.95 (120.90 x 67.31 x 74.93 mm)

