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 | Неаvy |
| 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) |



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