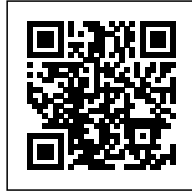


## TELEMETRY CONTROL UNIT - HD - 1 3/8 IN.



**SKU:** TCU101

**Categories:** [Cased Hole Wireline](#), [HD Platform™](#), [Telemetry](#)

### PRODUCT DESCRIPTION

The Telemetry Control Unit (TCU101) is the communications control centre for the logging system. It provides communications on standard service mono-conductor electric wirelines of up to 9,100m (30,000ft). Located between the inter-tool communications bus and the Wireline Uplink, it controls the collection of data from the tools below and packages it for transmission to the surface system. It receives commands from the surface system via the fast downlink and provides responses back to the surface as required. The TCU also houses the main downhole power supply providing power to the logging tools.

#### Ratings & Dimensions

<b>Max temperature</b>	350°F (177°C)
<b>Max pressure</b>	10,000 psi (68.9 mPa)
<b>Outer diameter</b>	1.38 in (34.9 mm)
<b>Length</b>	24.9 in (632.0 mm)
<b>Weight</b>	6.1 lb (2.8 kg)
<b>Materials</b>	Corrosion resistant materials used throughout

#### Hardware Characteristics

<b>Combinability</b>	All HD tools (RADii, iQ, Array PL, RAS, etc)
<b>Acquisition mode</b>	Real-time

#### Electrical Specification

<b>Voltage</b>	300 V DC
<b>Current</b>	Load dependent
<b>Tool bus rate</b>	500 kbps
<b>Uplink rate</b>	150 kbps
<b>Downlink rate</b>	16 kbps

Version Control: 2021.11.11

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***On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.***