PRODUCTION
LOGGING TELEMTRY



Telemetry control module

The TCU is the communications control centre for the logging system. 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 & provides responses back to the surface as required. The TCU also houses the main downhole power supply providing power to the logging tools.

Applications & Features

- Automatic tool ID & tool polling loop generation ensures and highest uplink data rates
- Fast inter-tool bus, with all messages CRC protected
- Uplink data rate 150 kbit/sec
- Full support for the Hunter Pulsed Neutron tool
- Head voltage and internal temperature measurement
- Fast wireline downlink (16Kbps) for real time control of toolstring

SPECIFICATIONS	
Temperature Rating	177°C / 350°F
Pressure Rating	1,040bar / 15,000psi
Diameter	43mm / 1-11/16”
Weight	4.9kg / 10.87lbs
Length	721mm / 28.4”
Toolbus Data Rate	500 kbps
Uplink Data Rate	150 kbps
Downlink Data Rate	16 kbps
Supply Voltage	300Vdc
Supply Current	Depends on load
Materials	Corrosion Resistant througout