

Telemetry Control Unit for Halliburton Protocol Adapter

Serves as a communication adapter from HD to HAL 1553

Applications

- Ability to combine dissimilar telemetry protocols on to single platform
- Facilitates mechanical connection between 6-pin and mono-pin connections

Features and Benefits

- Allows combination of HD tools with Halliburton 1553 services
- Simplifies logging objectives by allowing broader range of combinations

Tool Description

The Weatherford communication adapter from HD to HAL 1553 allows for the connection and data translation of HD services on to the Halliburton 1553 tool bus.

The TCU053 configuration works in combination with Halliburton's TTTCU and XHU tools, adding the capability to operate production and multi-arm caliper tools



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Specifications

Ratings and dimensions

Maximum temperature	350°F (177°C)
Maximum pressure	15,000 psi (103.4 MPa)
Outer diameter	1.69 in. (43.0 mm)
Length	27.6 in (701 mm)
Weight	12.6 lb (5.7 kg)
Materials	Corrosion resistant materials used throughout

Hardware characteristics

	1-11/16 in.
Combinability	All HD tools (RADii, iQ, PL, RAS, etc.)
Acquisition mode	Real-time with TCU

Electrical characteristics

	1-11/16 in.	Halliburton configuration
Voltage	300 V DC	200 V DC
Current	Load dependent	
Tool bus rate	500 kbps	
Uplink rate	150 kbps	TTTCU dependent
Downlink rate	16 kbps	TTTCU dependent

