HUNTING

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Wireline Telemetry Cartridge (WTC51, WTC53)

Titan Division | Instruments

Overview

The Wireline Telemetry Cartridge (WTC) is an intelligent bridge between the tool bus and surface system. It serves both as a communications interface and as a programmable logging controller. It collects data from the tools through the toolbus and then converts all data to packets and then sends it to the surface system, also it can receive commands from the surface system to control the working mode of the downhole tools. There is one DC-DC converter built-in to convert the high voltage from the line to a lower working voltage for the toolbus.

Application

· Communication between surface system and toolbus

· Power adaptor for toolbus

· Automatically polls all the tools in string

Specifications

Model	WTC51	WTC53
OD	43mm (1 11/16")	35mm(1 3/8")
Make-up Length	543.5mm (21.40")	543.5mm (21.40")
Tool Length	643.5mm (25.33")	643.5mm (25.33")
Max. Working Temperature	175°C (350°F)	175°C (350°F)
Max. Working Pressure	103MPa (15000Psi)	103MPa (15000Psi)
Weight	3.9Kg (8.60lbs)	3.9Kg (8.60lbs)
Transmission Mode	Mono-conductor Cable	Mono-conductor Cable
Working Voltage	18VDC	18VDC
Working Current	20mA±10% (Idling)	20mA±10% (Idling)
Max. Load Current of Tool Bus	1000mA (Above 600mA at 175°C)	1000mA (Above 600mA at 175°C)
Cable Bus Code	AMI	AMI
Cable Bus Uplink Rate	50, 71, 100, 143, 200Kbits	50, 71, 100, 143, 200Kbits
Cable Bus Downlink Rate	300bits	300bits
Tool Bus Code	AMI	AMI
Tool Bus Transmission Rate	500Kbits/sec	500Kbits/sec
Upper Thread	1 3/16-12 UN-2A(B) GoC	1 3/16-12 UN-2A(B) GoC
Lower Thread	1 3/16-12 UN-2A(B) GoC	1 3/16-12 UN-2A(B) GoC

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