

Wireline Telemetry Cartridge Sub (WTCS)

OVERVIEW

The Wireline Telemetry Cartridge Sub (WTCS) 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 tools through tool-bus and then make all data as packet and then send to the surface system; also it can receive the command from the surface system and then control working mode of downhole tools. There is one DC-DC converter build-in to convert the high voltage from the line to lower working voltage for the tool-bus.

FEATURE

- ❑ Communication between the surface system and toolbus
- ❑ Power adaptor for toolbus
- ❑ Automatically polls all the tools in the string.



SPECIFICATIONS

Parameters	Description
Cable	Mono-conductor
OD	43mm (1 11/16")
Max Working Temperature	175 °C (347°F)
Max Working Pressure	103MPa (15,000psi)
Operating Voltage	180-200VDC
Operating Current	24mA±10% (Zero-load)
Max. Load Current	1000mA/2000mA
WRTbus Code	AMI
WRTbus Uplink Rates	50, 71, 100, 143, 200Kbits
WRTbus Downlink Rate	300bits
WRTbus Uplink Amplitude	±14V
WRTbus Downlink Amplitude	±8V
WRTbus Code	AMI
WRTbus Data Rate	500Kbits/sec
WRTbus Amplitude	±1V