



HIGH SPEED TELEMETRY (WTS)

The Telemetry tool (WTS) supports all GOWELL's Pegasus series tools via a common power bus and CANbus2.0 inter-tool communications. The telemetry system is fully configurable from surface and future proof as adding new tools is easily achieved by software configuration.

FEATURES

AUTO-CONNECT

After power-up, the PegasusStar telemetry will automatically connect and establish communications between surface and downhole. There is no setup or configuration necessary – the engineer can just focus on logging. Front panel LED and software GUI provides immediate feedback on the connection status. Link speed and all status information is reported via warrior.

SELF-ADAPTING

PegasusStar will automatically adjust to the maximum uplink speed supported by the wireline cable and conditions. The system's automatic noise suppression reduces any interference.

HALF-DUPLEX

Uplink is based on Digital Multicarrier Modulation (DMM) technology and downlink is based on Alternative Mark Inversion (AMI). By applying Time Division (TD) technology the telemetry achieves half-duplex communications, where downlink commands don't interfere with the high-speed uplink signaling.

SPECIFICATIONS

	WTS43C-C	WTS43J-A	WTS43D-A
	P/N 1.01.02.100516698	P/N 1.01.02.300001209	P/N 1.01.08.300002591
	STANDARD TOOL	SOUR SERVICE TOOL	HIGH PRESSURE TOOL
GENERAL SPECS			
Maximum Pressure	15,000 PSI (103MPa)	15,000 PSI (103MPa)	20,305 psi(140Mpa)
Maximum Temperature	350°F (177°C)	350°F (177°C)	350°F (177°C)
Diameter	1-11/16 in. (43 mm)	1-11/16 in. (43 mm)	1-11/16 in. (43 mm)
Length	25.6 in. (650 mm)	25.6 in. (650 mm)	25.6 in. (650 mm)
Weight	8.82 lbs (4 kg)	8.82 lbs (4 kg)	8.82 lbs (4 kg)
Telemetry Speed (Typ)	Uplink 200Kbps@22kft (7Km), Downlink 200bps @22kft (7Km)		
Bit Error Rate (BER)	≤ 10-7		
Tool Bus	CAN-Bus2.0 @ 1MHz		
Head Voltage	160-360 Volts (Typically 200 Volts) DC		
Tool Bus Current	1 A Continous		
Telemetry Measurements	Cable-Head Voltage, 3-Axis Acceleration, Internal Temperature		

WTS

PEOPLE TECHNOLOGY SUPPORT

www.gowell.energy