OPAL Acquisition System Panel

Provides data acquisition from tools using PTX and KUSTER telemetry communication protocols

Applications

- Real-time data acquisition from cased-hole well logging tools

Features and Benefits

- The graphical user interface and minimal user input required make it very user-friendly.
- The compatibility with multiple tool families and telemetry systems allows for a wide range of applications.
- Provides real-time data display and logging, which is crucial for immediate analysis and decision-making.
- The modular design facilitates easy maintenance and upgrades.

Tool Description

The Weatherford OPAL acquisition system is based on an electronic design in which software control techniques have been used to the best advantage. The hardware incorporates electronic components with embedded systems controlled via the LOGGER SUITE windows interface program. The OPAL operates all tools using the ALT/MSI, PTX, and Kuster telemetry communication protocols.

Specifications

Hardware characteristics

Length	19.7 in. (500.38 mm)
Width	20.5 in. (520.7 mm)
Height	8.3 in. (210.82 mm)
Weight	46.3 lb (21.5 kg)

Hardware characteristics

PC Connection	High Speed USB
Software	Logger Suite V 12.1 or later on Windows OS
Upgradeability	User upgradeable firmware
Logging Cable	Standard single, multi-conductor and coax
Connections	8 analog inputs to collect information from external sensors. Scientific Data Systems - Warrior connectors-wiring compatibility

Electrical specifications

Voltage (Input)	100-240 V AC, 50-60 Hz (inverter compatible)
Tool Power	Up to 400 V / 1.3A - (750W)