



SURFACE ACQUISITION SYSTEM

GOWell's **GallopStar Surface Acquisition system** is a modern, high-speed and modular logging data acquisition system. The GallopStar system comprises a compact set of hardware panels and Windows™ based acquisition software which is compatible with GOWell's Gallop series of Open Hole tools.

When coupled with the GallopStar downhole GR-Telemetry sub the system is capable state-of-the-art uplink speeds reaching 1Mbit/s. The surface system is modular and supports optional plug-in modules. A perforating module which is fully API RP67 compliant is available.

FEATURES

- Advanced High Speed Self-adapting Telemetry with uplink to 1Mbit/sec
- Configurable by plug-in modules
- Supports full range of Gallop Open Hole tools
- Ethernet based surface system
- Support for various greyscale and color printers
- Built-in depth & tension interface
- Use with standard 19 inch racks or portable cases
- API RP 67 compliant (Explosive Safety)
- Supports Windows™ 7, 8 and 10
- Customizable upon request

APPLICATIONS

- Open hole logging services
- Perforating services
- Coring services

SOFTWARE



PANEL



Open Hole

GallopStar

Surface Acquisition System



GALLOPSTAR SURFACE ACQUISITION SYSTEM

SPECIFICATIONS

SURFACE ACQUISITION SYSTEM	
INPUT POWER	
Voltage	220 Vac \pm 10% @ single phase
Frequency	47 - 63 Hz
Max. Current	1A
DOWNHOLE TOOL POWER CONTROL	
Main/Aux AC	0 - 600 VAC
Main/Aux DC	0 - 600 VDC
TELEMETRY	
Communication Mode	Full Duplex
Coding Mode	OFDM, AMI, PSK, Manchester
Max. uplink rate	1,000 kbps
Min. downlink rate	5 kbps
Cable Type	1 Core, 3 Core, 7 Core, other option
Cable Mode	Mode 2, Mode 5, Mode 7
AUXILIARY DATA INPUT	
Depth Encoder	2 Sets
Pulse Signal Channel	4 (Spare)
Tension Channel	1
SP Channel	1
Analog Signal Channel	6 (Spare) (Signal Frequency < 1KHz)
DATA COMMUNICATION	
Ethernet	10/100 M 8-Port
RS485	Full Duplex, Isolated
USB	USB 2.0, 1-Port
WIFI	2-Port
PHYSICAL SIZE	
Width (Front Panel)	18.86 in (500 mm)
Width (Chassis)	16.93 in (430 mm)
Height	3.43 in (87 mm)
Depth	18.90 in (480 mm)
Weight	32.60 lbs (14.7 kg)
WORKING ENVIRONMENT	
Temperature	0-50 °C
Humidity	0-95%