PRODUCT SPECIFICATION

SAU

Surface Acquisition Unit for Permanent Downhole Gauges (Quartz & Sapphire Hybrid)

PRODUCT DESCRIPTION

BlueFin's surface acquisition unit (SAU) provides power and acts as a memory for downhole gauges in permanent completions as well as providing the communications hub for SCADA or real-time transmission.

The SAU links gauges downhole though the tubing encapsulated cable (TEC) and wellhead outlet (WHO). The SAU can be powered using Grid Power (110VAC), or Solar Power.

The SAU comes complete with one permanent downhole gauge (PDG) line card. A maximum of four line cards can be installed to allow multiple wells to be serviced by a single SAU. The SAU can also be used to program and interrogate the downhole permanent pressure/temperature gauges.

BENEFITS & APPLICATIONS

- Applications include reservoir and production monitoring, wellbore stimulations, rod lift monitoring, multi-zonal monitoring, and multi-well monitoring
- Display 4 x 24 with keypad
- Memory SD card for data logging Up to 32 GB
- Operating Software SparCard
- Fully configurable based on client requirements
- Communication Output USB Mini-B programming port, MODBUS TCP & RTU, Optional RS-485 / RS232C Port, or Embedded Ethernet Port
- SAU has internal 110VAC to 24VDC voltage converter
- Environment Desert Application – YES
- CSA Class 1, Div 2 (optional)

GENERAL SPECIFICATIONS

Operating Temp	-40 to 140°F -40 to 60°C
Relative Humidity	0-95%
Enclosure	NEMA 4-4X-12 / IP-65
Dimensions	12"W x 16"H x 10"D (SAU)
Weight	37 lbs

INPUT

Spartek Permanent Downhole Gauges (Quartz & Sapphire Hybrid)

Final Power Requirement for Components - Input 24V DC, 15 Watts

SOLAR PACKAGE COMPONENTS

2 x 85 Watt panels, 4 x 110AH AGM Batteries, 20amp / 24V Sun Saver Controller

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