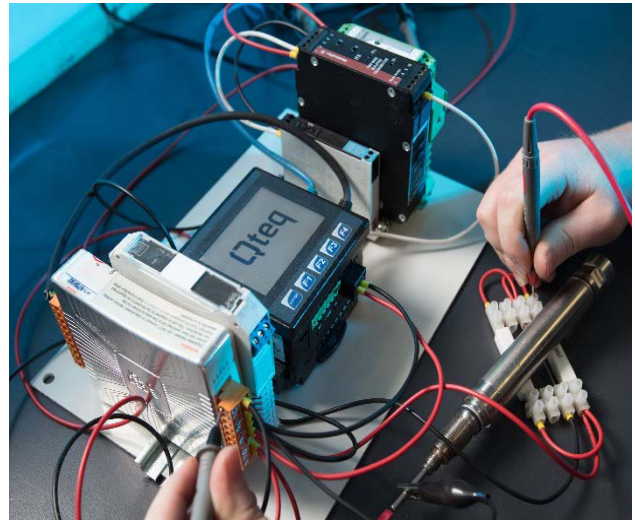


Surface Data Acquisition Unit

Qteq's Surface Data Acquisition (SDA) unit provides power to surface and downhole sensors, and relays measured parameters in real-time to client end users via optional modem, radio or hard-wired interface. Data is also archived real-time to a local μ SD card, ensuring no loss of data in the event of a communications failure with field or office hosts, or when remote communications are not viable

The modular design of Qteq SDA systems also enables configuration to be tailored to interface multiple sensors in a single well and/or from multiple wells. This flexibility also extends to support for any type of telemetry link with client hosts, be it radio, cellular, satellite, Ethernet or fibre. Furthermore, the solar power system with minimum 7 days of battery back-up will operate through all but very extreme weather events.



Features and Benefits

- Recorded data is available via MODBUS RTU (RS232 or RS485), MODBUS TCP/IP (Ethernet) and FTP (Ethernet).
- System health diagnostics data is also output to MODBUS registers to alert end users of any faults.
- All modules are mounted inside an IP rated enclosure.
- SDA systems are self-powered using solar panels and incorporate back-up battery UPS.
- Can be deployed by 2 persons without mechanical lifting aids.

Specifications

Data Interface (slave)	Ethernet – Modbus TCP/IP; FTP; RS232 – Modbus RTU
Data Interface (master)	RS485 – Modbus RTU
HMI	Built-in colour touchscreen
Logging	Minimum 2GB SD card
Power System	160W solar panels with 100Ah 12V Battery Back-Up
Mounting	Stand Alone
Physical Dimensions	(W x L x H) 700 x 900 x 1200 mm
Weight	200 kg
Deployment	Modular / Onsite build; Lifting points