

Surface Data Acquisition

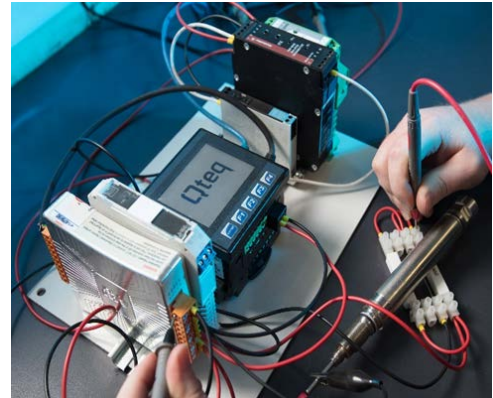
Low Profile Deployment



Qteq's Low Profile Surface Data Acquisition system is designed to provide the same data recording features as the full scale version in a much smaller footprint. Intended to sit stand-alone near the wellbore, it can be easily deployed for shallow aquifer data acquisition where data is usually downloaded by attending the site.

Developed for use with our range of depth gauges on thermoplastic cables, this system is intended for deployment at wells with minimal infrastructure and disturbance. The low power data logger can run indefinitely off the integrated solar panel.

A range of radio or modem options are available should remote telemetry be required.



Features and Benefits

- Low profile deployment for minimal landscape disturbance
- Low power option permitting permanent deployment
- Ideal for temporary deployments from hours to months
- > 1 month battery backup
- Intrinsically safe connection options available
- Simple USB connection to Laptop
- Free software for data download
- IP rated enclosure

Specifications

| | |
|--------------------------------|---|
| Supported Sensor Inputs | Voltage; Thermocouple; Current Loop (4-20mA); Ratiometric; Period Average; Pulse Counting |
| Measurement types | Single-end or Differential |
| Sensor Power | Configurable from 150mV to 5V (50mA) Switched 12V (1A) |
| PC Connection | USB, RS232 or Ethernet ¹ |
| Supported Protocols | PakBus, SDI-12, Modbus RTU/ASCII/TCP, DNP3 |
| HMI | None |
| Data Logging | 30 MB; |
| Recording interval | Between 100ms to 1 day |
| Mounting | Standalone |
| Sensor Connection | Plug and Socket – IP65/IP67 |
| Input power | Integral 5W solar panel with 7Ah Sealed Lead-Acid battery |
| Intrinsic Safety | Zener Barrier selected to suit sensor |
| Dimensions | 360x260x170 mm |

¹ Ethernet available on request