DAQ3-3

Seismic Recording System

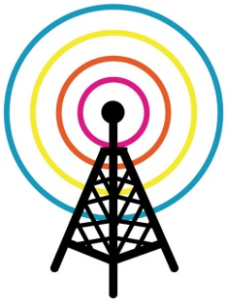
High Resolution Versatile Seismic Recording system can be used for all seismic surveys.

Single DAQ3-3

- Three Channel NODE
- Continuous Recording
- Stores data on internal Memory
- Download Data while Recording
- Real Time Viewing of the data
- Standard Ethernet and USB interface
- Uses External GPS for time synchronization
- 32 bit high resolution A/D convertors

Mega DAQ3 Clusters

- Multiple DAQ3-3 can be combined for high channel count
- Excellent choice for multi-channel well monitoring or permanent deployment
- Single External GPS used to synchronize units
- Standard USB sticks can be used to retrieve data
- 240 Channel Nodes currently in operation



Cell Phone Interface

- DAQ3-3 can be connected via a cell phone interface
- Real time Data can be downloaded and viewed remotely
- Any Internet connection can be used to log on a view the status of the System

DAQ3-3 specifications

GENERAL
32-bit ADC
On-board memory 8GB scalable to 64GB (Industrial grade SLC CF card)
Clock synchronization - GPS disciplined or VHF radio synchronization
Download data while recording
Built-in high resolution test oscillator
Compatible with impulsive, vibratory and explosive energy sources
LED status, GPS and battery indicators on unit
Accepts standard geophone, 3C or hydrophone inputs
Built-in Line Test and Instrument Test
9-26 volt external battery

ACQUISITION	
Selectable Gains	0 dB and 24 dB standard (software selectable)
Sample Rates	0.25, 0.50, 1.00, 2.00, 4.00, 8.00 milliseconds
Maximum input	±2.5 volts @ 0 dB gain
Dynamic Range	144 dB system, greater than 127 dB at 4 msec sample rate
Noise Floor	0.1 microvolts RMS at 2 msec sample rate
Total Harmonic Distortion	0.0005%
Common Mode Rejection	0.001%
Anti-Alias Filter	-3 dB, 0.87 Nyquist - Linear or minimum phase (software selectable)
Input Impedance	20 KOhms
Gain Accuracy	1%

ENVIRONMENTAL	
Operating temperature range	-40°C to +85°C
Humidity	0 to 100%. Internal humidity reported over Mesh Radio
Active Power Consumption	480 mW/channel recording Full Power Mode
Sleep Power Consumption	1 mW/channel
Size	227x230x54 mm
Weight	2.3 kg (5 lbs)