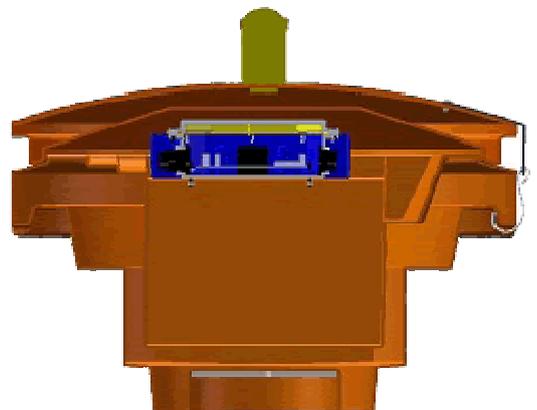
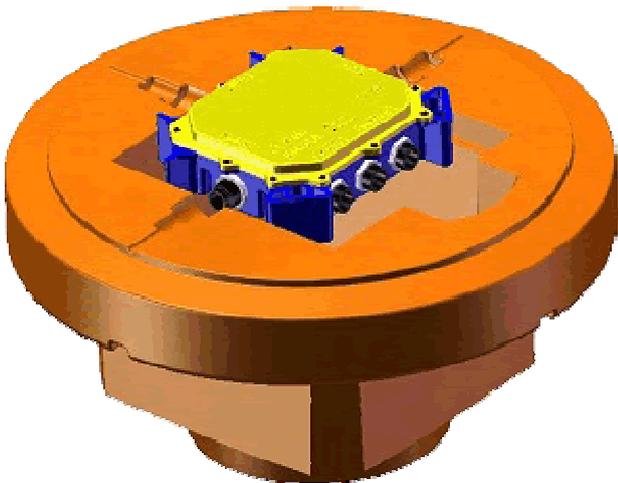


SIGMA™

IL SISTEMA CABLE-LESS PIU' EFFICIENTE DEL MOMENTO



Sigma™ è la somma di tutte le esperienze cable-less fatte sino ad oggi. Non è soltanto un registratore multi-mode stand alone, ma funziona anche con altri hardware cablati. Perfettamente integrabile con tutti i prodotti Seismic Source, è in grado di battere la concorrenza e fornire una soluzione integrata al cliente. Sigma™ funziona con qualsiasi sorgente, incluse le tecniche impulsive e vibrosismiche, su qualsiasi terreno e persino in acque poco profonde. Nessun altro prodotto ha una flessibilità simile.



Caratteristiche tecniche

32-bit ADC

On-board memory 8GB scalable to 64GB

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

Available in 1, 2 or 3 channel versions (no external Y-cable required)

Industry standard KCK type geophone connections

6-24 volt external battery - hot swappable (dual battery connector ports)

Operating temperature range: -40°C to +85°C

Humidity 0 to 100%. Internal humidity reported over Mesh Radio

Selectable Gains: 0 dB and 24 dB standard (software selectable)

Sample Rates: 0.25, 0.50, 1.00, 2.00, 4.00 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: 0.17 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%

Power Consumption:

480 mW/channel recording Full Power Mode

0.001 watt/channel in Sleep Mode

Size: 11.25" x 13" x 3" (286 x 330 x 76 mm)

Weight: 7 pounds (3.2 kg)