



ST24

Integrated battery **24 bit** **New**

12 / 24 CHANNELS 24 BIT SEISMOGRAPH

24 bit seismograph for seismic prospecting with refraction, reflection, active and passive MASW (Re.Mi.), SASW, Down-hole, Cross-hole, seismic tomography, HVSR investigation methodology. The unit is equipped with a capture card with 24 bit resolution. It is possible to serialize two units to reach 48 channels. Through the management software, to be installed on any PC or notebook connected to the acquisition unit, it is possible to set all the parameters relating to the type of seismic survey that you intend to carry out with maximum simplicity and speed.

Methodologies

Refraction Seismic

Reflection Seismic

Seismic Down-Hole/Cross-Hole

Re.Mi / ESAC

Seismic Tomography

M.A.S.W.

M.A.A.M.

General

ADC technology 24bit Delta-Sigma ADC

Geophone number 24 + 1

Acquisition Active and passive

Dimensions 27x24x17 cm

Weight 3.5 kg

Export compatibility .seg2; .csv

General

In-line test	Geophone test, noise analysis
Case	IP67
Enviromental condition	-20°C / 80°C
Power supply	Internal Li-ion battery
Autonomy	> 7h

Acquisition

Dynamic range	144 dB (dynamic); 109 dB (at 1ms sampling)
Broadband	-3dB at 3500 Hz
Sampling frequency	from 250Hz to 48kHz active; 251Hz, 502Hz, 1008Hz passive
Gain	from 0 to 52dB
Samples per event	6255 pretrigger; 29127 acquisition
Anti aliasing	-3dB, 80% Nyquist's frequency, -80dB
Common mode rejection	110 dB a 50Hz
Input signal	±2.5V
Trigger type	Differential trigger, geophone selectable
Trigger channel acquisition	Yes

MAE

