

The digital seismograph GeoBox is a high-performance instrument especially suitable for recording signals for seismological and geophysical surveys such as the Horizontal/Vertical Spectral Ratio (HVSr), known also as Nakamura's method.

It uses a laptop or field pc to gather data allowing the user to have real-time feedback on signal quality within minutes from deployment.

The new generation of SR24 or SR32 digitizers brings the GeoBox to a new great experience on the field.



Applications

- * HVSr (Nakamura) geophysical survey
- * Vibrational measurements for UNI9916 or UNI9614
- * Earthquake monitoring
- * Archeology
- * OMA (Operational Modal Analysis)
- * SHM (Structure Health Monitoring)

Main features

- * Ultra low noise digitizer
- * GPS synchronization (optional)
- * Internal rechargeable battery
- * Ease of use on the field with SEISMOWIN software
- * High sensitivity sensors
- * Embedded sensors from 4.5Hz to 0.2Hz
- * Made in EU (Italy)
- * LOG-MT allowing:
 - * Real time deconvolution
 - * Peterson's curve spectrum comparison
 - * Compatible SESAME file format
 - * SESAME parameters check and validation on the field



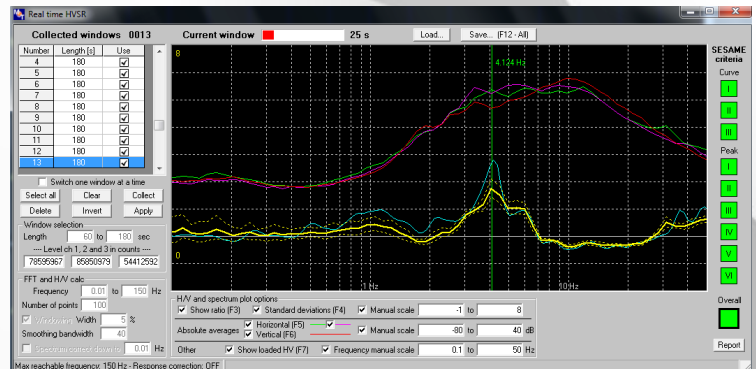


GEOBOX

Technologies for seismology, engineering and geophysics

Specifications

Power supply:	NiMh battery
Power consumption:	0.5W
Interface:	RS232+USB
Recording:	on Laptop / Netbook
Software:	Windows / SEISMOWIN
Operating temper.:	-20/+70 °C
Dimensions:	155x140x110
Weight:	about 3Kg
Conformity:	CE (EU)
Case:	solid block of aluminum
GPS antenna:	optional with 10 meters cable
Sampling rates:	from 10 to 1500 SPS
Sampling:	simultaneous on the three channels
Dynamic range:	up to 144dB depending on sensors and set sensitivity
External trigger:	with auxiliary 4th channel
File format:	.SAF, .GSE, .SAC (and other using Seismowin conversion tools)
Sensitivity:	with 4.5Hz sensors < 1nm/sec per count in band 0.5-50Hz
Input ranges:	From 20Vpp to 2Vpp depending on sensors
Applicable sensors:	pure geophones 4.5Hz, 3.5Hz 2.0Hz active sensors 1.0Hz, 0.5Hz, 0.2Hz

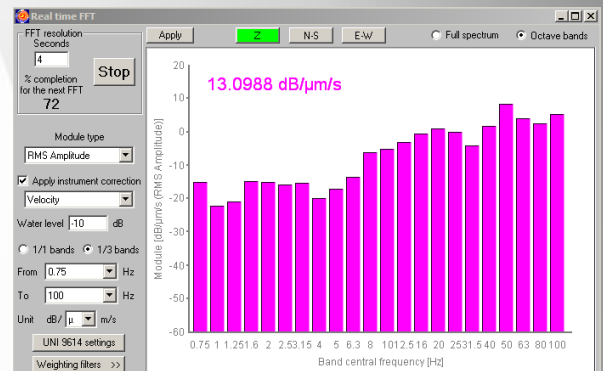


Why to prefer GeoBox

Geobox is in use since 2003, in various forms and versions. It is appreciated by thousands of clients worldwide.

The capability to show the H/V curve in real time and perform Sesame check in the field, allows you to save a lot of time.

The affordable cost, quality and robustness make of Geobox the best equipment on the market .



ISO 9001:2015
certified company
N° 2923



Notice! This paper is an information leaflet only; it is published without programmed updates. All specifications, features and prices are subjected to changes without any prior notice. In the event of any discrepancies between this document and a commercial offer or bidding document, these latter will take precedence.