Vibraquipo

Vibration Meter
Vibracord GAIA

Vibracord

Rough design for all enviromental conditions

Vibracord Gaia

Strong aluminum case.

High contrast iluminated LCD screen for a perfect view under all light conditions.

Specially designed for construction work and blasting monitoring.

One 3-Axis block of geophones. One microphone for air-pressure (optional).

The captured data is transferred to an SD card.

Very easy to use. Recommended for users that don't need advance options in vibration measurement.

An ISO-17025 accredited certificate of calibration is provided with the equipment.

Frequency response:
2–250 Hz
1–315 Hz

Vibracord Gaia
Designed for rough conditions

Software

The analysis program is included with all the equipment

Advanced analysis software designed for productivity and complete printed reports

Same software for all the models. Manage the record in the same interface

Manage your records with a summary in a grid, select them and print the full report with only one click

Analyze the waveform, timing, amplitude, values…

Perform the FFT in the desired part of the record

Apply mathematical functions to the records, like filters, integration, derivative and RMS

Select the Norm to use and include it in the reports

Regression analysis module included. Calculate the distance – charge model with the data from the previous records

Include your company name and logo in the printed reports

Free upgrades!

REPORTS

It is possible to generate the following printed reports:

- Data summary
- Logger
- Text summary
- Graphic summary
- Detailed wave
- FFT
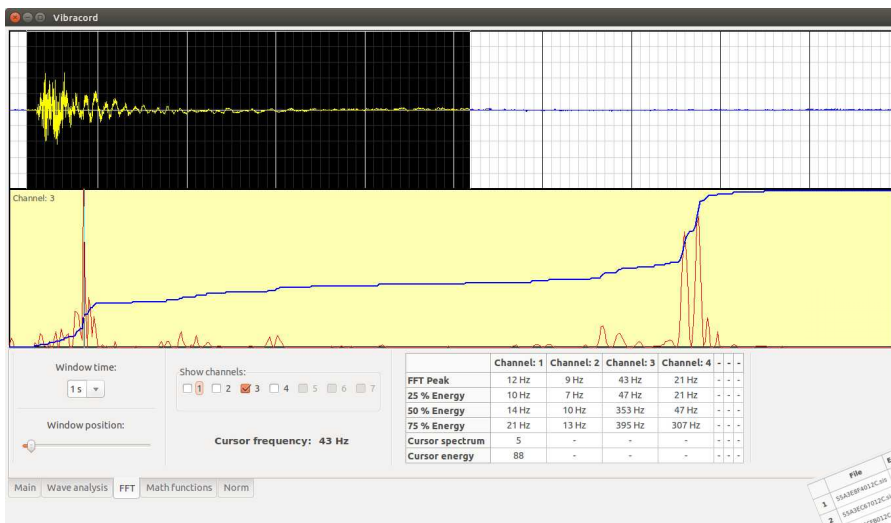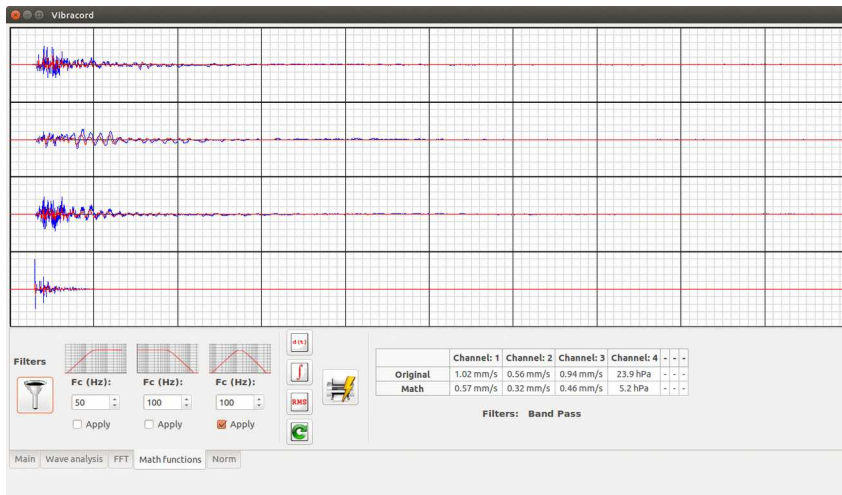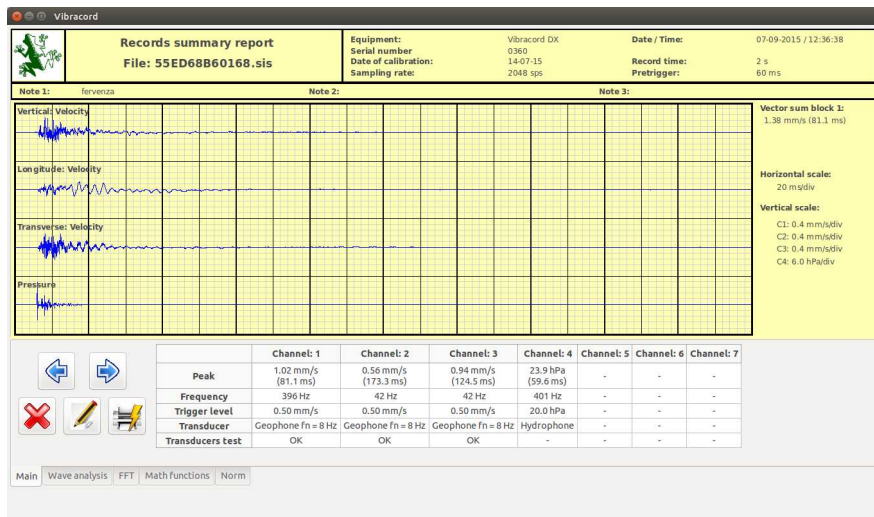- Filter
- Derivative
- Integration
- RMS
- Norm

LANGUAGES

- English
- Spanish
- French
- German
- Portuguese

The software is valid for all models of Vibracord

Software

Records summary report
File: 55ED68B60168.sis

Equipment:	Vibracord DX	Date / Time:	07-09-2015 / 12:36:38
Serial number	0360		
Date of calibration:	14-07-15	Record time:	2 s
Sampling rate:	2048 sps	Pretrigger:	60 ms

Note 1: fervenza   Note 2:   Note 3:

Vertical: Velocity

Longitude: Velocity

Transverse: Velocity

Pressure

Vector sum block 1:
1.38 mm/s (81.1 ms)

Horizontal scale:
20 ms/div

Vertical scale:
C1: 0.4 mm/s/div
C2: 0.4 mm/s/div
C3: 0.4 mm/s/div
C4: 6.0 hPa/div

	Channel: 1	Channel: 2	Channel: 3	Channel: 4	Channel: 5	Channel: 6	Channel: 7
Peak	1.02 mm/s (81.1 ms)	0.56 mm/s (173.3 ms)	0.94 mm/s (124.5 ms)	23.9 hPa (59.6 ms)	-	-	-
Frequency	396 Hz	42 Hz	42 Hz	401 Hz	-	-	-
Trigger level	0.50 mm/s	0.50 mm/s	0.50 mm/s	20.0 hPa	-	-	-
Transducer	Geophone fn = 8 Hz	Geophone fn = 8 Hz	Geophone fn = 8 Hz	Hydrophone	-	-	-
Transducers test	OK	OK	OK	-	-	-	-

Main   Wave analysis   FFT   Math functions   Norm

Configuration

Main   Printer   Font   Colour   Norm

Locale

Language   English   ▼

Date format   dd-mm-yy   ▼

Your Company

Vibraquipo, S.L.U.

www.vibraquipo.com

Logo:
(150x120 px)

Cancel   OK

Vibracord

Filters

	Fc (Hz):	Fc (Hz):	Fc (Hz):
	50	100	100
	☐ Apply	☐ Apply	☑ Apply

	Channel: 1	Channel: 2	Channel: 3	Channel: 4	-	-	-
Original	1.02 mm/s	0.56 mm/s	0.94 mm/s	23.9 hPa	-	-	-
Math	0.57 mm/s	0.32 mm/s	0.46 mm/s	5.2 hPa	-	-	-

Filters: Band Pass

Main   Wave analysis   FFT   Math functions   Norm

Printer

Reports to print

☐ Summary sheet (Text)   ☑ Summary sheet (graphic)

☐ Detail sheet   ☐ Frequency sheet

☐ d(t)   ☐ I(t)

☐ RMS

☑ Records summary report

Vibracord

Channel: 3

Window time:
1 s ▼

Window position:

Show channels:
☐ 1 ☐ 2 ☑ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7

Cursor frequency: 43 Hz

	Channel: 1	Channel: 2	Channel: 3	Channel: 4	-	-	-
FFT Peak	12 Hz	9 Hz	43 Hz	21 Hz	-	-	-
25 % Energy	10 Hz	7 Hz	47 Hz	21 Hz	-	-	-
50 % Energy	14 Hz	10 Hz	353 Hz	47 Hz	-	-	-
75 % Energy	21 Hz	13 Hz	395 Hz	307 Hz	-	-	-
Cursor spectrum	5	-	-	-	-	-	-
Cursor energy	88	-	-	-	-	-	-

Main   Wave analysis   FFT   Math functions   Norm

The software is valid for all models of Vibracord

Vibration meter
Vibracord GAIA

	Vibracord Gaia
Number of channels	3/4 (One block of geophones, and one low frequency microphone)
Sample rate (Samples per second)	1024
Frequency response	2 – 250 Hz (ISEE) 1–315 Hz (DIN 45669–1)
Trigger modes	Automatic
FFT Calculation	Computer
Data transfer modes	SD Card
Data visualization	Screen
Screen	LCD 4x20 characters
Keyboard	8 keys
Data storage memory	1.000 records
Internal power supply	Li–Ion rechargeable battery
Dimensions (mm)	165x105x55
Weight (Without accessories)	0.9 kg
Environmental	IP–65