



Vibraquipo



Vibration Meters

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Vibracord

The perfect equipment for your requirements in vibration measurement

Vibracord FX

7" TFT Graphic screen with touch panel

The visual interface with the touch panel is friendly and intuitive, allowing the graphic visualization of the record

A 8 keys membrane keyboard is included working together with the touch panel

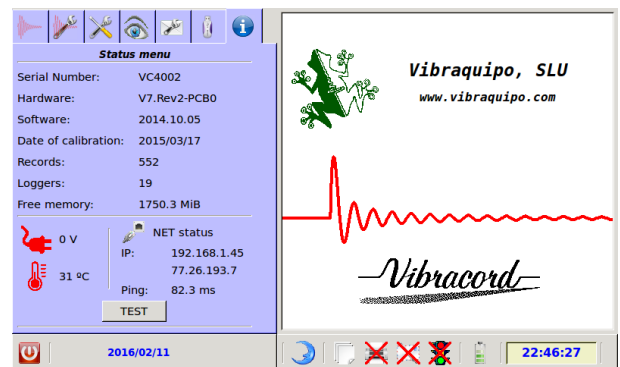
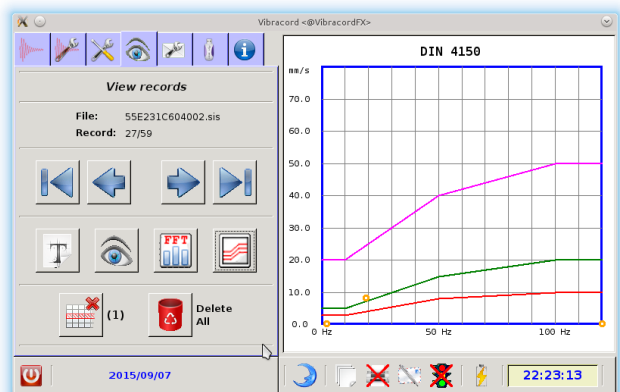
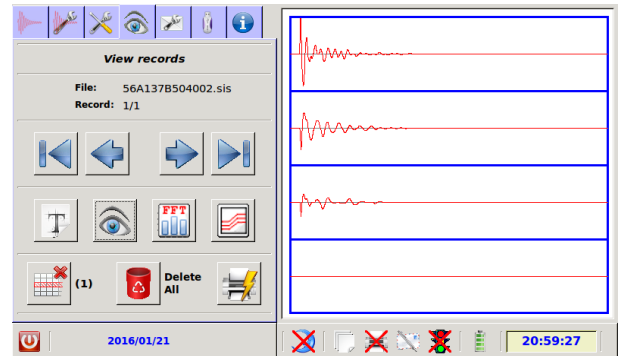
The powerful configuration options allow you a perfect control over the vibration recording

Up to seven channels. Multiple transducers configuration is allowed. The standard equipment measures in velocity with geophones, but other transducers and magnitudes, like acceleration, pressure, voltage can also be measured

One channel for low frequency sound pressure

FFT performed in the equipment itself

Several ways to transfer the captured data, like USB disks, SD cards, USB cable and remote access from the Internet



Frequency response:
2-250 Hz
1-315 Hz

Vibracord FX in aluminum case



The communication options allow the remote operation from everywhere

Vibracord FX

- LAN (RJ45) cable connection
- Wi-Fi wireless connection
- User friendly WEB server to control the equipment
- FTP server for a fast download
- Download pdf reports directly from the WEB interface
- Send an e-mail when the programmable alert levels are exceeded
- Different e-mails addresses with different alarm levels are allowed
- Attach a pdf report with the mails
- The WEB and FTP servers are in the equipment itself. You needn't depend on the manufacturer!
- Router for data transfer over mobile net is available
- Power supply and environmental conditions are motorized by the equipment
- An ISO-17025 accredited certificate of calibration is provided with the equipment

The screenshot displays the Vibracord WEB interface in a Mozilla Firefox browser. The top navigation bar includes 'Home', 'Help', and 'About'. The main content area is divided into two sections: 'Menu' and 'Equipment status'.

Menu:

- Show configuration
- Change configuration
- Alarm configuration
- Real time data
- Recording control
- Show data
- Download data
- Delete records
- Security

Equipment status:

Serial Number: VC4002

Capture status: Equipment is recording (Bargraph mode)

Records stored: 577
Loggers files: 38

Memory free: 1.70 GB

Battery level: 48 %
Equipment temperature: 29 °C (Working range: -15 °C to +65 °C)
CPU temperature: 56 °C (Working range: 0 °C to +90 °C)

Date & Time: Feb-28-2016 19:22
(Note: the equipment timezone is: Europe/Berlin)

Date of calibration: Mar-17-2015

The bottom part of the screenshot shows the 'Show records' section. It includes a date filter set to '28-02-2016 19:23:12'. The filtering options are:

- Do not apply filter (all the records will be shown)
- Apply filter (only the records of the selected date will be shown)

Below the filter, there is a funnel icon and the text 'Click on the Icon for apply / restore filter'. A record is displayed with the following details:

386D43AC4002M.sis - Jan-01-2000 01:00:44

- Channel 1 (Vertical): 11.61 mm/s (43 Hz)
- Channel 2 (Longitude): 0.12 mm/s (4 Hz)
- Channel 3 (Transverse): 0.12 mm/s (146 Hz)
- Channel 4 (Vertical): 0.11 mm/s (11 Hz)
- Channel 5 (Longitude): 0.11 mm/s (60 Hz)
- Channel 6 (Transverse): 0.12 mm/s (146 Hz)
- Channel 7 (-): 0.42 Pa (54 Hz)

Frequency calculation method: Zero crossing



Vibracord FX in plastic case
For extreme environmental conditions

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**

Small, portable, and powerful vibration meter

Vibracord TX

Specially designed for construction work, where the vibration velocity is the magnitude to measure

Its 2.5" TFT screen with touch panel is friendly and intuitive

One 3-Axis block of geophones

The captured data is transferred to a SD card

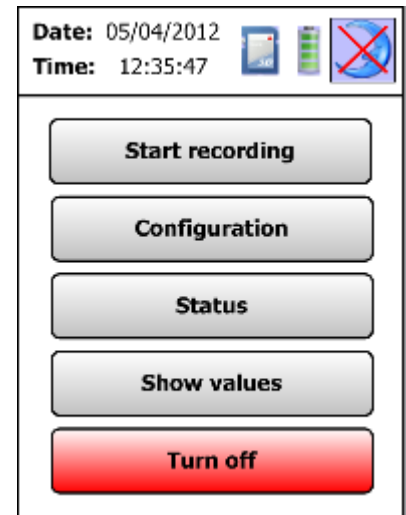
Very easy to use. Recommended for users that don't need advance options in vibration measurement

This equipment inherit the power of the Digital Signal Processing of his big brother, the FX model, for an extremely accurate vibration recording

The best relation between performance and price that you can find in the market

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

Frequency response:
2-250 Hz
1-315 Hz



The screenshot shows the data recording screen. It features a 'Back' button and a 'Record: 2/16' indicator. The date is 16/03/2012 and the time is 11:33:41. Below this is a table with three columns: Channel, Peak mm/s, and Frequency Hz.

Channel	Peak mm/s	Frequency Hz
Vertical:	12.4	24
Long.:	15.6	20
Trans.:	14.1	20



Vibracord TX
Rugged, easy to use

The analysis program is included with all the equipment

Software

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

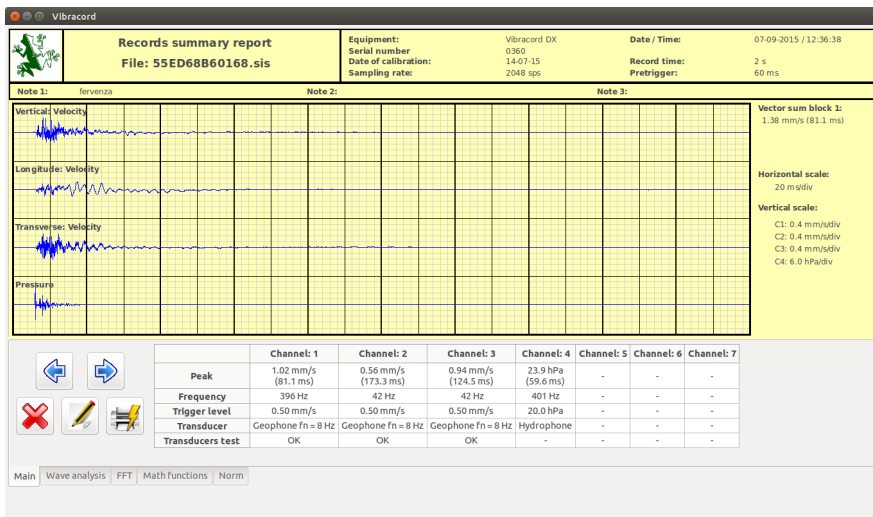
LANGUAGES

- English
- Spanish
- French
- German
- Portuguese

The same software for all models

The screenshot displays a software interface with a data grid and filter controls. The grid has columns for File, Equipment, Date/Time, Note 1, Note 2, f, C1 (V), C2 (V), C3 (V), C4 (V), C5, and C6. The filter section includes checkboxes for 'Filter by date', 'Serial number', 'Note 1', and 'Note 2', along with 'From' and 'To' date fields. At the bottom, there are buttons for 'Show all', 'Show selection', and 'Show loggers'.

File	Equipment	Date/Time	Note 1	Note 2	f	C1 (V)	C2 (V)	C3 (V)	C4 (V)	C5	C6
1	SAAREP012C-01	13-07-2015 - 18:36:04	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
2	SAAREP012C-01	13-07-2015 - 18:50:47	m61170a		8 x	9.12 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
3	SAAREP012C-01	13-07-2015 - 18:53:15	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
4	SAAREP012C-01	13-07-2015 - 18:54:44	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
5	SAAREP012C-01	13-07-2015 - 18:55:24	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
6	SAAREP012C-01	13-07-2015 - 18:56:01	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
7	SAAREP012C-01	13-07-2015 - 18:57:11	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
8	SAAREP012C-01	13-07-2015 - 18:58:38	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
9	SAAREP012C-01	13-07-2015 - 18:59:01	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
10	SAAREP012C-01	13-07-2015 - 18:59:37	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
11	SAAREP012C-01	13-07-2015 - 19:00:17	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
12	SAAREP012C-01	13-07-2015 - 19:00:30	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
13	SAAREP012C-01	13-07-2015 - 19:00:30	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
14	SAAREP012C-01	13-07-2015 - 19:00:30	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96
15	SAAREP012C-01	13-07-2015 - 19:00:30	m61170a		8 x	9.20 mVpp	1.37 mVpp	1.28 mVpp	1.00 mVpp	0.96	0.96



Software

Configuration

Main Printer Font Colour Norm

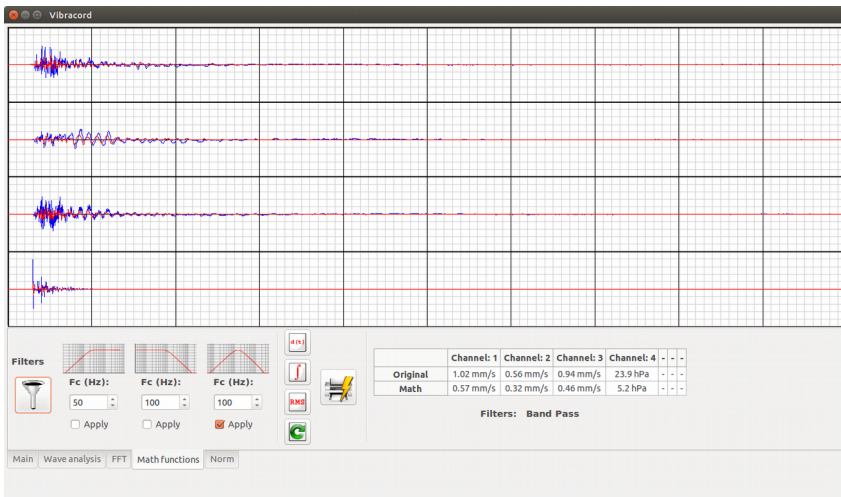
Locale

Language: English
Date format: dd-mm-yy

Your Company

Logo: Vibraqipo, S.L.U. (150x120 px)
www.vibraqipo.com

Buttons: Cancel, OK



Printer

Reports to print

Summary sheet (Text) Summary sheet (graphic)

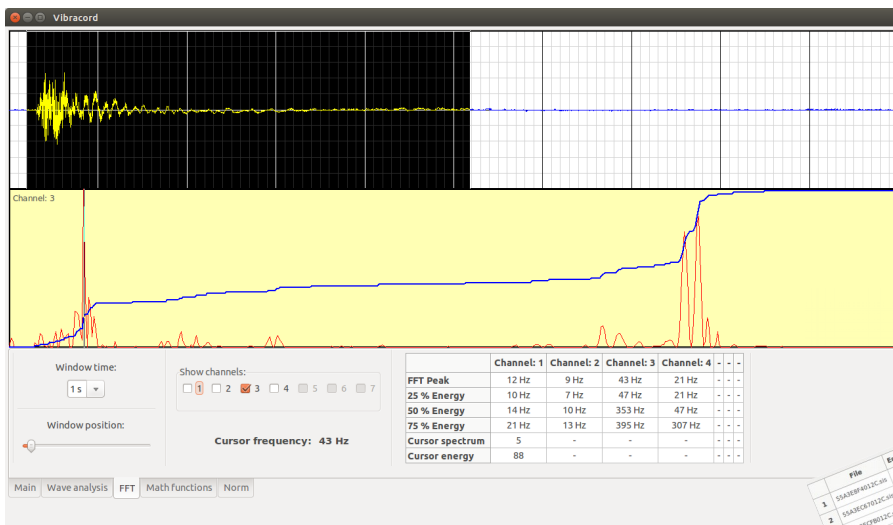
Detail sheet Frequency sheet

d(t) I(t)

RMS

Records summary report

Buttons: Print, Cancel



File	Equipment	Date/Time	Note 1	Note 2	t	C1 (V)	C2 (V)	C3 (V)	C4 (V)	C5	C6	C7
1	SAAREP012C-W	13-07-2015 - 18:36:04	m61170a		8 s	9.20 mm/s	1.37 mm/s	1.20 mm/s	1.00 mm/s	216	216	216
2	SAAREP012C-W	13-07-2015 - 18:50:47	m61170a		8 s	9.39 mm/s	1.19 mm/s	1.03 mm/s	1.02 mm/s	150	150	150
3	SAAREP012C-W	13-07-2015 - 18:53:15	m61170a		8 s	9.91 mm/s	1.57 mm/s	1.06 mm/s	1.02 mm/s	150	150	150
4	SAAREP012C-W	13-07-2015 - 18:54:44	m61170a		8 s	10.00 mm/s	2.15 mm/s	1.24 mm/s	1.02 mm/s	150	150	150
5	SAAREP012C-W	13-07-2015 - 18:55:24	m61170a		8 s	10.14 mm/s	2.50 mm/s	1.27 mm/s	1.02 mm/s	150	150	150
6	SAAREP012C-W	13-07-2015 - 18:56:01	m61170a		8 s	10.12 mm/s	3.48 mm/s	1.34 mm/s	1.02 mm/s	150	150	150
7	SAAREP012C-W	13-07-2015 - 18:56:38	m61170a		8 s	10.07 mm/s	3.91 mm/s	1.38 mm/s	1.02 mm/s	150	150	150
8	SAAREP012C-W	13-07-2015 - 18:57:11	m61170a		8 s	9.91 mm/s	4.82 mm/s	1.41 mm/s	1.02 mm/s	150	150	150
9	SAAREP012C-W	13-07-2015 - 18:57:44	m61170a		8 s	9.82 mm/s	5.54 mm/s	1.39 mm/s	1.02 mm/s	150	150	150
10	SAAREP012C-W	13-07-2015 - 18:58:18	m61170a		8 s	9.78 mm/s	7.06 mm/s	1.37 mm/s	1.02 mm/s	150	150	150
11	SAAREP012C-W	13-07-2015 - 18:59:01	m61170a		8 s	9.74 mm/s	8.00 mm/s	1.36 mm/s	1.02 mm/s	150	150	150
12	SAAREP012C-W	13-07-2015 - 18:59:37	m61170a		8 s	9.74 mm/s	9.00 mm/s	1.35 mm/s	1.02 mm/s	150	150	150
13	SAAREP012C-W	13-07-2015 - 19:00:17	m61170a		8 s	9.74 mm/s	9.00 mm/s	1.35 mm/s	1.02 mm/s	150	150	150
14	SAAREP012C-W	13-07-2015 - 19:00:50	m61170a		8 s	9.74 mm/s	9.00 mm/s	1.35 mm/s	1.02 mm/s	150	150	150

The same software for all models

Vibration meters

Comparison chart

	Vibracord FX	Vibracord Gaia	Vibracord TX
Number of channels	4 / 7 (One or two 3-Axis blocks of geophones, and one low frequency microphone)	3/4 (One block of geophones, and one low frequency microphone)	3 (One 3-Axis block of geophones)
Sample rate (Samples per second)	2048	1024	2048
Frequency response	2 - 250 Hz (ISEE) 1-315 Hz (DIN 45669-1)		
Trigger modes	Automatic Manual External	Automatic	Automatic
FFT Calculation	Equipment and computer	Computer	Computer
Data transfer modes	USB Disk SD Card USB Cable WEB Server FTP Server	SD Card	SD Card
Data visualization	Screen Printer WEB Server FTP Server E-Mail	Screen	Screen
Screen	7" TFT color 800x480 pixels	LCD 4x20 characters	2.5" TFT color 320x240 pixels
Keyboard	8 keys	8 keys	2 keys
Data storage memory	1.8 GiB Up to 10.000 records	1.000 records	500 records
Internal power supply	Li-Ion rechargeable battery	Li-Ion rechargeable battery	Li-Polymer rechargeable battery
Dimensions (mm)	200x150x70 (Aluminum case)	165x105x55	200x100x40
Weight (Without accessories)	1.9 kg (Aluminum case)	0.9 kg	0.5 kg
Environmental	IP-65	IP-65	IP-65