

Product Catalog

VIBRATION METER



Authorized Distributor



Measuring
The Impact

VIBRACORD TELLUS

*With everything you need
in a Vibration Meter.*

The perfect equipment for your requirements in vibration measurement

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, even the FFT.

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.

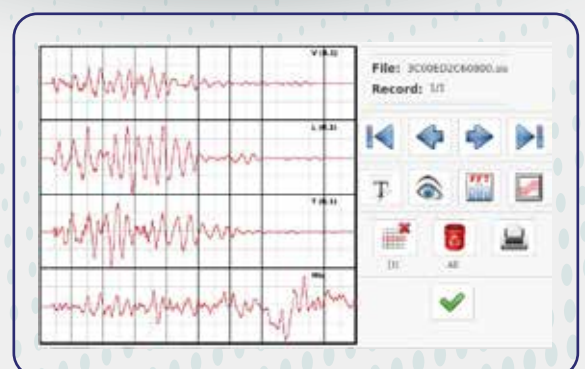
Up to seven channels plus seven 'virtual channels'.

Multiple transducers configuration is allowed.

The standard equipment measures in velocity with geophones, but other transducers and magnitudes like acceleration, pressure and voltage can 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, network and remote access from the Internet.



Frequency response:
2-250 Hz
1-315 Hz

VIBRACORD TELLUS



The GPS module provides the position and synchronizes the clock of all the working equipment for a precise timing analysis.



The FFT is performed in the own equipment. The results are given in real time.



The communication module allows the remote access and unattended operation of the equipment.




The Standard compliance can be easily checked in the own equipment screen

REMOTE CONTROL VIBRACORD TELLUS



The communication module allows the remote operation from everywhere

- LAN (RJ45) cable and internal modem connection.
- Wi-Fi wireless connection.
- User friendly WEB server to control the equipment.
- FTP server for a fast download.
- FTP and SFTP data upload.
- Download pdf reports directly from the WEB interface.
- Send an e-mail when the programmable alert levels are exceeded.
- Configure different email addresses with different alarm levels.
- Attach a pdf report to the emails.
- The WEB and FTP servers are in the equipment itself. No need to depend on the manufacturer.
- Power supply and environmental conditions are motorized by the equipment.

Menu:	Equipment status
<ul style="list-style-type: none"> • Show equipment status • Show configuration • Change configuration • Real time data • Recording control • Show data • Download data • Delete records • Security 	<p>Serial Number: TE0900</p> <p>Capture status: Equipment is recording in bargraph mode</p> <p>Records stored: 0 Loggers files: 1</p> <p>Memory free: 16.61 GB</p> <p>DC Power supply: 11.7 V Equipment temperature: 29 °C (Working range: -15 °C to +65 °C)</p> <p>Date & Time: Tuesday, February 02/2021 - 23:50:27 Time zone: Europe/Madrid (CET, +0100)</p> <p>Date of calibration: Sep-25-2020</p> <p>Location:</p> <p>Longitude: -8.525824 </p> <p>Latitude: 42.367144</p>

REAL TIME DATA		
Channel	Current values	Maximum values
Channel 1. Geophone (2-250 Hz) (Vertical)	0.04 mm/s (79 Hz)	3.93 mm/s (256 Hz)
Channel 2. Geophone (2-250 Hz) (Longitude)	0.03 mm/s (28 Hz)	0.07 mm/s (3 Hz)
Channel 3. Geophone (2-250 Hz) (Transverse)	0.03 mm/s (57 Hz)	0.08 mm/s (2 Hz)
Channel 7. Microphone (dB)	0.08 Pa / <80 dB (341 Hz)	0.13 Pa / <80 dB (38 Hz)
PVS Block 1	0.07 mm/s	3.93 mm/s
Last trigger at: 02:10:10		
Return to VibraWEB main page		

VIBRACORD GAIA

For rough conditions

**Equipment with a rough design
for all environmental conditions**

Strong aluminum case.

High contrast illuminated 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 advanced options in vibration measurement.

This equipment inherits the power of the Digital Signal Processing of its big brother Vibracord Tellus, for an extremely accurate vibration recording.

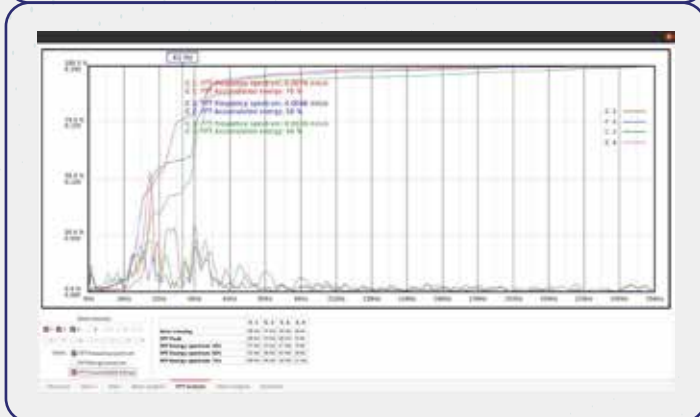


Frequency response:
2-250 Hz
1-315 Hz

SOFTWARE

The analysis program is included with all the vibration meters.

The same software for all models!




The screenshot shows a 'Configuration' dialog box with tabs for 'Main', 'Printer', 'Font', 'Colour', and 'Norm'. The 'Main' tab is active. It has sections for 'Locale' (Language: Spanish, Date format: dd-mm-yy), 'Your Company' (Logo: Vibraquipo, S.L.U., www.vibraquipo.com), and a 'Logo' section with a preview of the company logo (a green frog) and a 'Cancel' button.

Advanced analysis software designed for productivity and complete printed reports.

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, as filters, integration, derivative and RMS, and much more.

Select the Standard 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
- Standard

LANGUAGES

- English
- Spanish
- French
- German
- Portuguese
- Turkish

BEACON SYSTEM

Alarm system for Vibracord vibration meters

The remote alarm system

gives the user an intuitive and instantaneous data visualization of the vibration levels during the work.

Three LEDs, green, yellow and red, plus a buzzer, are programmed by the user in the recording unit.

The system is small, portable and battery powered, enabling the alarm to be carried in a pocket or placed within view.

The radio link removes the need of cables between units, a considerable benefit.

No installation is required. Prior to the delivery, we can customize the equipment to fulfill your specific requirements.



VIBRATION METERS COMPARISON CHART



**VIBRACORD
TELLUS**



**VIBRACORD
GAIA**

Number of channels	Up to 14 (One / two 3-Axis block of geophones + 1 microphone).	3/4 (One 3-Axis block of geophones + 1 microphone).
Sample rate	2048 sps	1024 sps
Frequency response	2 – 250 Hz (ISEE) 1-315 Hz & 1-80 Hz (DIN 45669-1)	
Trigger modes	Automatic Manual External	Automatic
FFT Calculation	Equipment and computer	Computer
Data transfer modes	USB Disk WEB Server* FTP Server* SFTP Server*	SD Card
Data visualization	Screen Printer WEB Server* FTP Server* E-Mail*	Screen
Screen	7" TFT color 800x480 pixels	LCD Screen 4x20 characters
Keyboard	8 keys	8 keys
Data storage memory	Up to 30.000 records	1000 records
Internal power supply	Li-Ion rechargeable battery	Li-Ion rechargeable battery
Dimensions (mm)	270x230x100	165x105x55
Weight (Without accessories)	3 kg	0,85 kg
Environmental	IP-65 (Equipment) IP-68 (Geophones)	IP-65 (Equipment) IP-68 (Geophones)

*Optional



2-250 HZ VERSION (ISEE)

Seismic channels. Measurement range

Seismic channels. Resolution

Sound channel. Measurement range

Sound channel. Resolution

Minimum measurement for sound channel

Frequency range. Seismic channels

Frequency range. Sound channels

Seismic transducers type

Transducers response correction

± 200 mm/s
0,01 mm/s
± 502 Pa (148 dB)
0.1 Pa
2 Pa (100 dB)
2 – 250 Hz
2 – 250 Hz
Geophones fn = 8 Hz
IIR filter

The maximum tolerances over the frequency response of the equipment are the following:

**2-250 Hz
version**

Frequency	2 Hz	4 Hz	4 - 128 Hz	128 Hz	256 Hz
Upper limit	+ 0,5 dB over all frequency range				
Lower limit	-3,0 dB	-3,0 dB	-3,0 dB -	-3,0 dB -	-3,0 dB -

1-315 HZ VERSION (DIN 45669)

Seismic channels. Measurement range

Seismic channels. Resolution

Sound channel. Measurement range

Sound channel. Resolution

Minimum measurement for sound channel

Frequency range. Seismic channels

Frequency range. Sound channels

Seismic transducers type

Transducers response correction

± 120 mm/s
0,01 mm/s
± 502 Pa (148 dB)
0.1 Pa
2 Pa (100 dB)
1 – 315 Hz
2 - 250 Hz
Geophones fn = 4,5 Hz
IIR filter

The maximum tolerances over the frequency response of the equipment are the following:

**1-315 Hz
version**

Frequency	0,5 – 1,25 Hz	1,25 - 252 Hz	252 - 630 Hz
Upper limit	20,00%	10,00%	20,00%
Lower limit	20,00%	10,00%	20,00%