



# *Vibraquipo*

**Vibration meter for ground  
borne vibration  
measurement**



***Vibraquipo, S.L.U.***  
C/ Gaiteiro de Soutelo, 3 Bajo  
36004 Pontevedra (Spain)  
Phone: (+34) 670 68 84 72  
[www.vibraquipo.com](http://www.vibraquipo.com)  
[vibraquipo@vibraquipo.com](mailto:vibraquipo@vibraquipo.com)

***Vibracord Tellus***

*Vibracord*

## 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. 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.

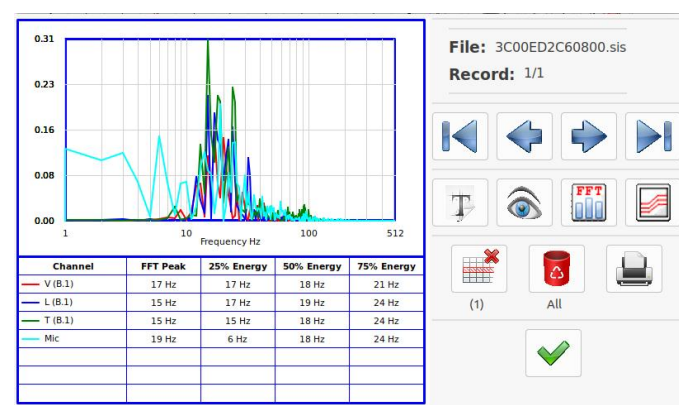
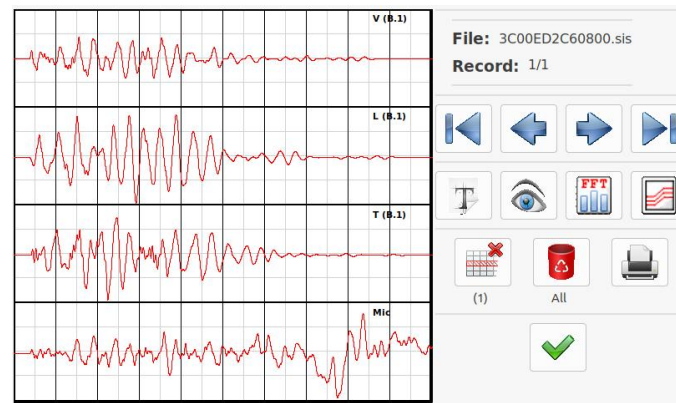
Standard shown in the own equipment.

Several ways to transfer the captured data, like USB disk, WEB server, FTP server and automatic upload (SFTP).

**Frequency response:**  
 2-250 Hz (ISEE)  
 1-315 Hz (DIN45669)  
 1-80 Hz (DIN45669)

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Ch.	Sensor	Trigger	Virtual sensor	Trigger
1	Geophone (1-315 Hz). B1 Velocity	1.00 mm/s	-	-
2	Geophone (1-315 Hz). B1 Velocity	1.00 mm/s	-	-
3	Geophone (1-315 Hz). B1 Velocity	1.00 mm/s	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	Microphone (dB) Pressure	20.0 Pa / 120.0 dB	-	-
<b>Note 1:</b>		Vibracord		
<b>Note 2:</b>		Vibration meter		
<b>Note 3:</b>		www.vibracord.com		
<b>Location:</b>		Not set		
<b>Time source:</b>		NTP Server		



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## Technical Data sheet

GENERAL	
Number of channels (* See note 1)	7 physical channels 7 virtual channels
Sampling rate (samples per second)	2048
Analog to Digital Converter	16 bits
Data storage memory	16 GiB
Frequency range	2-250 Hz (ISEE) 1-315 Hz (DIN45669)
Record time	1- 32 seconds in increments of 2 <sup>n</sup> seconds
Trigger mode: In automatic mode, each channel is independently configurable	Automatic Manual External
Record modes	Waveform Bargraph Waveform + Bargraph
Data transfer ports	Ethernet USB (external disk)
Data visualization	Display Printer WEB Server FTP Server e-mail
External power supply	12 V
Internal power supply	Li-ion battery
Autonomy (* See note 2)	24 hours
Visualization	TFT 800x480 pixels 3 Leds
Keyboard	Touch panel 8 keys membrane

**Note 1:** Physical channels takes the signal from the connected transducer. Virtual channels takes the output of the Physical channel and process it mathematically to create a new signal.

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## Technical Data sheet

### Physical and Environmental

Protection	IP-65
Dimensions (mm)	270x230x100
Weight (without accessories)	3 kg
Working temperature	-15 to 50 °C
Storing temperature	-20 to 60 °C
Working humidity	Without condensation
Storing humidity	Without condensation

### GPS And time

Time sources (* See note 1)	Internal clock NTP GPS
GPS satellites	GPS GLONASS Galileo
GPS Time accuracy	Less than the sampling period

#### GPS Features:

72 Channels GPS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1 SAIF, GLONASS L1OF, Galileo E1B/C.

Build-in embedded GNSS patch antenna.

2 Concurrent GNSS(GPS & GLONASS) up to 10 Hz.

Horizontal position accuracy (GPS & GLONASS) 2.5 m CEP