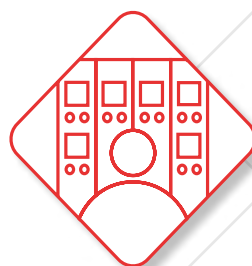




VW HUB2 Datalogger



www.pizzi-instruments.it

Instruments and Systems for Geotechnical and Structural

VW HUB2 Datalogger



Description

VW HUB2 is a simple data logger for vibrating wire instruments, robust and with low power consumption for geotechnical and structural monitoring.

It can connect up to 2 vibrating wire sensors with integrated temperature sensor.

It is suitable for use in harsh environments, thanks to a robust case and the waterproof sealants used to protect the electronics.

VW HUB 2 has extremely low power consumption and is powered by two AA batteries, type D.

The 4Mb internal memory is capable of storing around 50,000 measurements and is accessible via a USB interface through which stored data can be transferred via the “copy and paste” facility of a PC or other mobile device.

Applications

Among its main applications:

- Monitoring levels and pore pressure
- Monitoring settlement
- Monitoring landslides
- Monitoring cracks and deformations
- Monitoring loads and pressures

Features

- Sturdy
- Simple interface via USB Interface
- Battery powered
- IP 65 waterproof
- Connection options for 2 vibrating wire sensors + temperature sensors

- **Immediate memory download via copy and paste**
- **Ideal for stand-alone applications in harsh environments**
- **Electronics protected from surges**
- **4MB of internal memory**
- **Low power consumption. The two batteries can last up to 12 months with 1 reading/hour**

Operation

VW HUB2 is easily configured via the USB interface by setting up, on a specific configuration file, all logger parameters such as date and time and measurement frequency.

It can be connected to up to two complete vibrating wire sensors with any integrated temperature sensors.

Data logger power is supplied via 2 D batteries; battery life is estimated as over 12 months with a sampling frequency of 1 measurement / hour.

Data is saved in the internal memory of the data logger in .csv format and simply transferred to a PC or other portable device by “copy and paste” through connection with the USB interface.

Specifications

Type of instruments	Vibrating Wire
Number of instruments	2 Vibrating Wire channels with temperature
Frequency range	450 ÷ 6000 Hz
Resolution	0,01 Hz
Resolution of temperature	0,1 °C
Power supply	n. 2 AA type batteries
Memory	4 MB
Dimensions	12 x 12 x 8 cm
Protection degree	IP 65

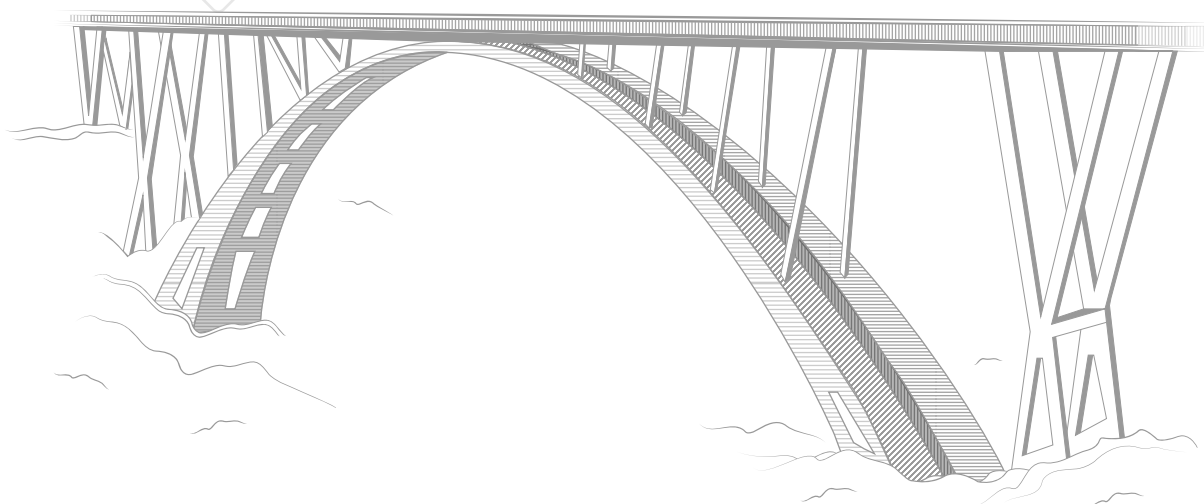
Accessories and related products

Vibrating Wire Piezometer	PZL1001000
Vibrating Wire crackmeter	CRC6001000
Vibrating Wire Rod Extensometer	EST1001000
Strain Gauge	STG2001001
Spot Weldable strain gauges	STG1001001

The Company

For more than 40 years we have been designing and producing precision instruments for monitoring large structures sold all over the world.

Accuracy in design, efficiency in construction, reliability in management, these are the prerogatives that every big project must have and that structural monitoring systems must guarantee



Technical assistance

If you have any requests or questions about our instruments or if you have special needs that require different solutions from the standard, please contact us. Our team will provide all the necessary information and will be very happy to work with you to study, develop and customize instruments and solutions suitable for your specific needs.

All data present in the sheets could change without notice.

Please check the release carefully and for more details contact Pizzi Instruments.

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