SD12-VW

Smart Datalogger Frequency and Temperature for Vibrating Wires



Technical Information

Power Supply7.7Ah Internal Lithium Battery (Type C)Battery Life4 years (typical, samples every 60 minutes)Measurement (4 channels)• Frequency • TemperatureSampling IntervalSelectable from 5 minutes to 7 days*Temperature RangeOperating: -20°C ÷ +50°C Storage : -40°C ÷ +70°CConnectionsUSBSealingIP65Dimensions120 x 90 x 50mmWeight350gCase MaterialABSMountingFix on 4 pointsCable Diameter3mm minimum - 6,5mm maximumCopper Wire Section0.05 ÷ 2.5mm² / ÷ 14 AWG		
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Cable Diameter 3mm minimum - 6,5mm maximum	Case Material	ABS
	Mounting	Fix on 4 points
Copper Wire Section 0.05 ÷ 2.5mm² / ÷ 14 AWG	Cable Diameter	3mm minimum - 6,5mm maximum
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Temperature

Sensor Type	NTC 3К
Measure Range	-20°C +70°C
Measure Accuracy	0.25°C at 25°C
Measure Resolution	0.01°C

Frequency

Sensor Type	Vibrating Wire
Measure Range	500 - 4000 Hz
Measure Accuracy	± 50ppm
Measure Resolution	0.1 μs / 0.1 Hz

Minimum interval depends by WSD configured on the network





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Smart Datalogger

Datalogger with 4 channels, two vibrating wires (extensometers, piezometers, crack meters) and two temperatures.

With a backup memory onboard may store the last 64.000 samples per channel even if the wireless link is down.

Through the configuration software the sampling interval may be set and 2 thresholds per channel are activable.

- The downloading of data from the datalogger is possible through a PC and the SW-DCET software (WineCap Manager) connecting to a high speed USB port.
- The data stored on the PC could be synchronised with the Service Centre <u>www.winecap.it</u> (available also via tablet and smartphone) let them accessible via Internet to the qualified users, offering a centralized and secured management (subdivided for sites) of the measurements.
- Through the WEB SERVICES SOAP function, is possible to duplicate the databases present on the Service Centre to an external server (site or portal).

