



readout logger unit



MAIN FIELDS OF APPLICATION

- Geotechnical engineering
- Hydrology
- Meteorology

Multifunction readout unit
for reading manually all the main types
of electric and vibrating wire transduc-
ers.





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Multigeo

MULTIGEO 01 is a multifunction readout unit which is designed to readout manually all the main types of electric and vibrating wire transducers.

The unit, besides its main function of manual measurements, can be used in installation, maintenance and control of transducers. Operation with rechargeable 12V dc batteries.

A back-lit screen displays: readouts, the battery-charge and the wiring guide.

The six button keyboard allows various types of the instrument configuration. MG01, unique in its segment, is a readout unit easy to transport (carry) thanks to reduced dimensions and it is able to read both electric and vibrating wire transducers. A single device for all applications!

Instruments Compatible

- **4/20 mA:** the main part of geotechnical instrumentation is available in the version which answers this standard.
- **Volt:** clinometers, strain gauges, crack meters, etc..
- **mV/V:** load cells, Wheatstone bridges, etc..
- **Temp:** temperature sensors, Pt100, NTC from 3KOhm.
- **Hertz/Digit:** vibrating wire instrumentation such as: piezometers, strain gauges, etc..

Technical Characteristics

- Type of measurment: 4-20 mA, V, mV/V, Ohm, Hz/Digit;
- Measuring ranges in the various types:

mA	4 ÷ 20 mA
V	0 ÷ 100 mV
single ended	0 ÷ 5 V
differential	0 ÷ 5 V
mV / V	0 ÷ 20 mV / V
single ended	
differential	
PT100	-50 to +200 ° C
NTC	
VW	Hz500 to 4600Hz
- Supply: 12 Vdc battery;
- Measurement resolution: 16 Bit;
- Operating temperature: from -20 to +70 °C;
- Temperature stability: +15 ppm/°C max;
- Sensors supply voltage: +20 V, +/-12 V, +5 V(mV/V);
- Display LCD: 16 x 2 backlight characters;
- Battery voltage autotest;
- Protection: IP65;
- Dimensions: 130 x 100 x 34,2 mm;
- Weight: 600 gr.



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