

G201



MAIN FIELDS OF APPLICATION

- Geotechnical engineering
- Hydrology
- Meteorology

Acquisition module for all types of analog instrumentation, designed to be used in geotechnical, structural and environmental monitoring





G201 is an acquisition module for all types of analog instrumentation, designed to be used in geotechnical, structural and environmental monitoring.

G201 can read different types of sensors with different signal types (4/20mA, mV/V, V, PT100, NTC, VW) and all the vibrating wire instruments.

G201 is available in four versions: 4, 8, 12 and 16 channels. Each channel has one four poles terminal block which can be used to power the transducer and to receive the analog signals. The function of the 4-pole terminal block changes depending on with the type of the instrument connected to it.

In case the transducer has only two wires (such as some 4/20mA, Vibrating Wire and the NTC sensors) each individual channel can be configured to read two instruments.

For example, a Vibrating Wire sensor and its temperature values can be read on the same channel. In fact, each channel can be considered double and a 16 channels multiplexer can actually be used to read 32 instruments, if the types of sensor allows it.

So, G201 can become 4 + 4, 8 + 8, 12 + 12 and 16 + 16 channels.



INSTRUMENTS COMPATIBLE with multiplexer channels

- Vibrating wire strain gauge
- Electric strain gauge
- Tensometers
- Inclinometers and pendulums
- Piezometers
- Load cells
- Crackmeters
- Thermistors
- Hydrological instruments
- Meteorological instruments

TECHNICAL CHARACTERISTICS

- Supply:	12 VDC;			
- Current supply:	60 μ A;			
- Operating temperature:	from -20° to +70°C;			
- Protection:	defined by the box type;			
- Channels number:	4 + 4,	8 + 8,	12 + 12,	16 + 16;
- Dimensions:	48	72	97	122 x 101 x 119 mm;
- Weight:	277	405	533	656 g;
- Measuring type:	V, mV/V, 4-20 mA, VW, Pt100, NTC;			
- Measurement resolution:	24 bit (0.1 Hz for vibrating wire);			
- Supply voltage:	+ 20 V, + 12 V, +/-12 V, + 5 V;			
- G201 Communication type:	USB for configuration and download of local data; GPRS or Wi-Fi for remote data upload to FTP server.			



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