



Datalogger

D800-D1600-D3200

Technical Features



Datalogger D800 is easy to use. Software is user friendly and compatible with any Windows OS. Low power consumption allows a very long autonomy (about 1 year with 4 data acquisitions per day). Data can be transmitted to any FTP server thanks to the optional GPRS modem. Datalogger can be powered by a solar panel to ensure complete energy autonomy. Relais multiplexer give a good reliability in medium/big monitoring system, if a sensor fail or a cable is short circuited others do not are affected by the problem.

Gas-tube arrester give a good immunity for over voltage interferences.

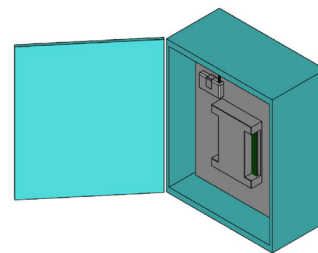
Applications

Datalogger D800 is suitable for Geotechnical, Structural and Environmental monitoring. Connected sensors may have mV or mA outputs; rain gauges and vibrating wire (D3200PRO) List of possible sensors:

- Electrical piezometers, Load cells and Pressure cells
- Crackmeters, Displacement transducers
- In-place inclinometers, Clinometers
- Extensometers
- Thermometers
- Rain gauges

Related Instrumentation

- GPRS, 3G, ethernet, wi-fi modules
- 20W Solar Panel
- mV/4-20 mA instrumentation
- 4-20 mA Converters
- OtrMonitoring web site



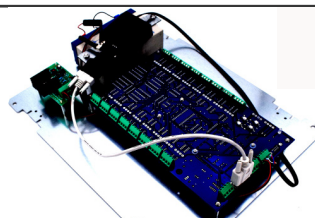
Installation

- Datalogger D800, D1600 and D3200 can be placed close to monitored sensors. After simply setting timer for data acquisitions and setting sensors type, datalogger is ready to use.

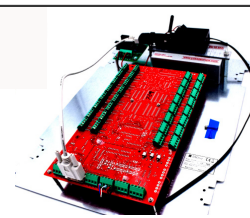
Technical Specifications



D800



D1600



D3200PRO(VW)

Model	D800	D1600	D3200PRO(VW)
Inputs	Up to 8 + battery level	Up to 16 + battery level	Up to 32 + battery level
Resolution	±20000 digits		
Thermal stability	< 30 ppm		
Sensor Supply	15 Vcc. 200 mA		
Power Supply	Lead acid Battery 6V 12Ah - Solar Panel (On demand)		
Memory	RAM 512 Kbyte + 512 Kbyte FLASH		
Data	Up to 4000/2000 measures for each sensor		
Stand-by current consumption	< 200µA		
Box	IP 65 (Standard)		
Multiplexer	Relais		

Codes & Part Numbers

P/N 2010030
P/N 2010031
P/N 2010032
P/N 2010033
P/N 2010034
P/N 2010100
P/N 2010101
P/N 2010102
P/N 2010103

D800 8 Channel Datalogger
D1600 16 Channel Datalogger
D2400 24 Channel Datalogger
D3200 32 Channel Datalogger
D3200PRO 32 Channel Datalogger
Internal battery charger 12V / 7.2V
20 W Solar Panel
Pole bracke in galvanized steel D800
Pole bracke in galvanized steel D1600-D2400-3200
-3200 PRO
Wall bracke in galvanized steel
6V 11 A/h Battery
Trasmission Module
Pole 2+2 meters Ø 50 mm
12v Power Supply linear (use with P/N 2010100)