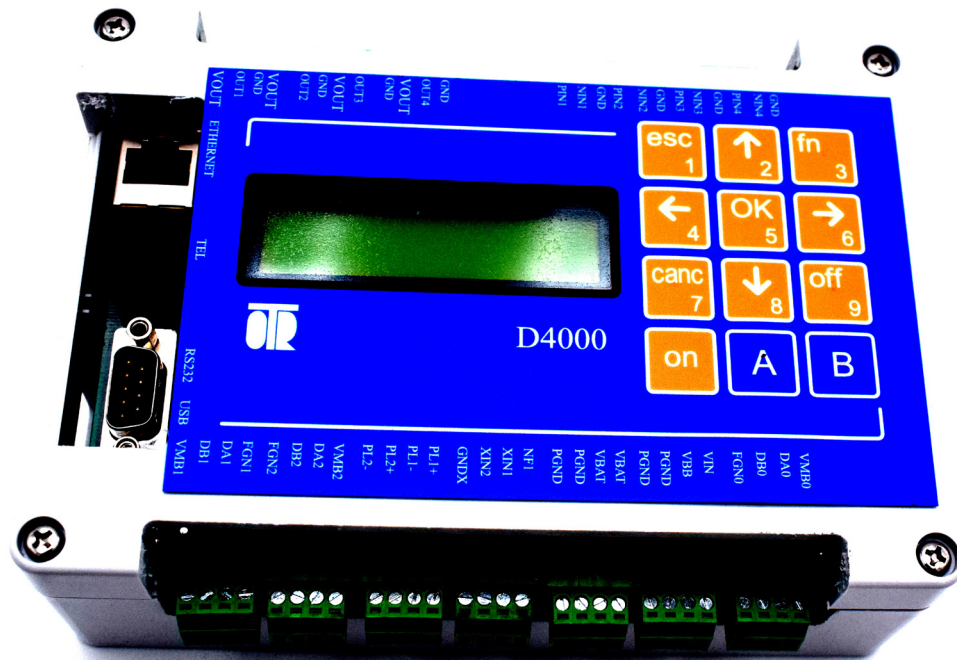




D4000 Datalogger

Technical Features



D4000 data collectors are easy to use, the Programming Software is intuitive and compatible with operating systems normally in use. Low power consumption allows high autonomy (about 1 year ~ 4 scans per day). Data transmission via GPRS or ETHERNET to any FTP site is available with modem and solar mini-panel, it is also possible to set up data transmission without solar mini-panel and using battery. The datalogger has a relay multiplexer. This feature allows, if one sensor should be damaged or destroyed, the remaining one to continue to function properly. The batteries used are rechargeable lead gel (6Volt 12A/h).

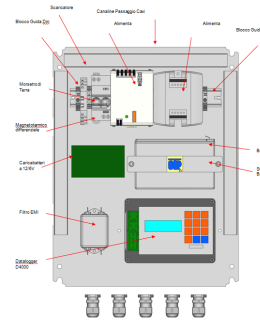
Applications

The D4000 series Dataloggers are suitable for monitoring in Geotechnical, Structural and Environmental fields of sensors with mV, mA, pulse (rain gauge) and vibrating wire output. The following instruments can be acquired:

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

Related Instrumentations

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



Installations

- Datalogger D4000 can be placed close to monitored sensors. After simply setting timer for data acquisitions and setting sensors type, datalogger is ready to use.

Technical Specification



Model	D4000
Inputs	2 Chains 485 digital channels (accommodates up to 64 digital inclinometer probes) + 128 analog channels (multiplexer) + internal battery voltage
Resolution	16 Bit
Thermal stability	< 30 ppm
Sensor Supply	15 Vcc. 200 mA
Power Supply	Lead gel batteries 6V 12Ah - Solar panels (on demand)
Memory	SD Card
Consumo in stand-by	< 50µA
Box	IP 65 (Standard)
Multiplexer	Relay-based, 16 channels (Max 128) configurable in mV, mA, NTC3K, VW, Potentiometric

Codes & Part Numbers

P/N 2022000

D4000, datalogger, main unit

P/N 2022001

Multiplexer 16 relays channels