

Data acquisition unit DATALOG 8

Battery operated version designed for in-field applications



DATALOG 8

- 8 independent input channels
- Display of readings and graphs in real time
- In-built battery operated with rigid carrying case suitable for use on field
- 5.7" touch screen colour graphic display
- Contemporaneous data sampling of all channels in accordance to the programmable logging mode
- Separate display for battery status
- Unlimited storage capacity with USB pen drive

This is just one of more than 4.000 products manufactured by CONTROLS, the global leader in Testing Equipment for the construction industry in three business areas:

- Concrete and cements;
- Asphalt and bituminous mixtures;
- Soil and rocks.

DATALOG 8 is a stand alone data logger for general purpose acquisition, processing and data storage for laboratory and site applications.

Differently from the laboratory version, this model is housed inside a rigid carrying case with a long-life rechargeable battery. It is particularly suitable for field applications where main power supply is not available.

DATALOG 8 features a wide 5.7" touch screen colour graphic display and a separate display for battery status. The unit records and monitors in real time the measurements requested by different tests, for example:

- Plate bearing test apparatus (electronic versions)
- Rock shear box apparatus (digital version model)
- In-situ determination of stress, deformability and resistance of masonry walls with flat jacks
- ... and many other tests



Detail of complete kit

DATALOG 8

Technical specifications

- Number of channels: 8
- Compatible with load cells, pressure transducers, strain gauges, LDT/LVDT/potentiometric displacement transducers
- Communication port: LAN / Ethernet
- Real resolution: 131,000 points
- Data storage on removable USB pen drive
- Sampling rate: up to 10 readings per second per channel via USB (up to 500 readings per second per channel via LAN when connected to a PC)
- Excitation (VEXC): from 1 V to 10 V for each couple of channels (up to 4)
- Input signal: 0-10 V; 0-20 mA
- Battery operated: internal rechargeable sealed battery 12V, 7.2 Ah and built-in battery charger 110-230 V, 50-60 Hz, 1 ph. Power cable is included
- Battery life: 8 hours (continuous use)
- Dimensions (wxdxh): 265x171x223 mm (approx.)
- Weight: 6 kg (approx.)

Accessories

82-P9008/ELT

Set of four cables for connecting load cells, pressure transducers, strain gauges, LDT / LVDT / potentiometric type displacement transducers to DATALOG 8 (82-P9008 and 82-P9008/F) and GEODATALOG 8 (30-WF6008)

26-WF4645

LAN HUB with 8 ports

82-P9008/SOF

DATACOMM 2 data acquisition software and LAN cable for PC connection of DATALOG 8 (82-P9008 and 82-P9008/F).

- Up to 8 datalogger (total 64 channels) can be connected to a single PC creating a modular network (LAN hub is required)
- User setting of channel groups (no. and type of channels)
- Numerical and graphical display of the readings
- Fully customizable multi-diagrams function including multi-channels plotted against the same axes or one channel plotted in relation to another channel
- Data export ASCII format
- Possibility to save and recall different calibration files allowing quick transducers swapping

Ordering information

82-P9008/F

DATALOG 8, 8 channels stand alone multipurpose data logger battery operated with rigid carrying case suitable for use on field.



Data logger DATALOG 8 detail of removable USB pen drive



Data logger DATALOG 8 detail of the 5.7" touch screen colour graphic display



Data logger DATALOG 8 main menu



Data logger DATALOG 8 display: live readings of the 8 channels

