

DATA SHEET

Data Acquisition Unit DATALOG 8 - Battery Operated Version Designed for In-Field Applications



Data acquisition unit DATALOG 8 model 82-P9008/F- Battery operated version designed for in-field applications

General description

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 mains power supply is not available.

DATALOG 8 features a wide 6" 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

Main features

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

Specifications

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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 (V_{EXC}): 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 in continuous use

Dimensions approx lxdxh [mm]: 265x171x223

Weight approx. [kg]: 6



Data acquisition unit DATALOG 8 model 82-P9008/F Detail of complete kit

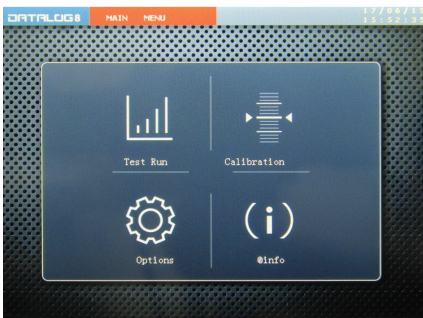


Data acquisition unit DATALOG 8 model 82-P9008/F - Detail of the 6.5" touch screen colour graphic display

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Data acquisition unit DATALOG 8 model 82-P9008/F - Detail of removable USB pen drive



Data acquisition unit DATALOG 8 model 82-P9008/F - Main menu



Data acquisition unit DATALOG 8 model 82-P9008/F - Live readings of the 8 channels

Products

82-P9008/F

DATALOG 8, 8 channels multipurpose data logger, battery operated and with rigid carrying case suitable for use on field. 110-230V / 50-60Hz / 1 Ph.

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Accessories and consumables

82-P0398

Compensation device for up to 4 Wheatstone bridges with 1/4 or 1/2 bridge setup

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 GEODATALOG 8 (30-WF6008)

82-P9008/SOF

DATACOMM 2 data acquisition software and LAN cable for PC connection of DATALOG 8 (82-P9008, P9008/F) - Up to 8 datalogger (total 64 channels) can be connected to a single PC creating a modular network (LAN hub is required)

29-WF4645/COMP

High specification desktop PC with LCD monitor. Operating system MS Windows preinstalled and 8 port LAN HUB converter.