

## DATA SHEET

# Data Acquisition Unit DATALOG 8



Stand alone multipurpose datalogger with

## General description

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

DATALOG 8 records and monitors in real time the measurements requested by different tests, for example:

- Elastic modulus determination with Uniaxial and Triaxial testing systems without in-built channels (rock, concrete, others)
- Determination of axial and circumferential deformations of concrete and rock specimens under compression loading
- Rock shear box apparatus (digital version)

... and many other tests

A second version of this data logger is also available with in-built battery and rigid carrying case suitable for use on field. Please refer to Related Products below

## Main features

- Adjustable **6" touch screen colour** graphic display
- **8 independent** input channels
- Display of **readings and graphs** in real time
- Compatible with load cells, pressure transducers, strain gauges, **LDT/LVDT/potentiometric** displacement transducers
- Effective resolution: **131,000 points**
- Sampling rate up to **500 readings per second** per channel via LAN and up to 10 readings per second per channel in local mode
- Unlimited storage capacity with **USB pen drive**
- Network configuration of up to 8 units (**64 independent channels**)
- **Contemporaneous data sampling of all channels** in accordance to the programmable logging mode
- **LAN/Ethernet connection** to PC via dedicated software (not included)

## Specifications

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Stand alone mode

Number of channels: 8

Network mode: Up to 8 units

Sampling rate: Up to 10 readings per second per channel via USB, up to 500 readings per second per channel via LAN,

Real resolution: 131,000 points

Communication port: LAN / Ethernet

Data storage on removable USB pen drive

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

Software: Not included, P9008/SOF

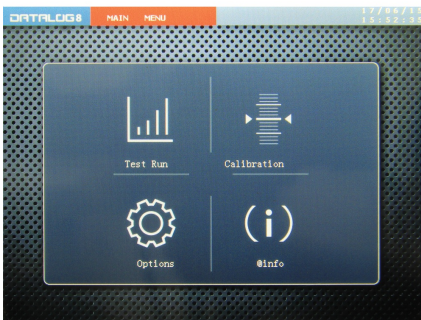
Dimensions approx lxdxh [mm]: 290x195x100 ( Display close); 290x195x241 ( Display open)

Weight approx [kg]: 2.5

Power supply: 110-220V, 50-60 Hz, 1ph



Adjustable 6.6" touch screen colour graphic display



Main menu of DATALOG 8 ( 82-P9008)

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Live readings of the 8 channels

## Products

### 82-P9008

DATALOG 8, 8 channels stand alone multipurpose data logger. 110-230V / 50-60Hz / 1 Ph.

## Accessories and consumables

### 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)

### 82-P9008/ELT1

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

### 26-WF4645

LAN Hub with 8 ports for Wykeham Farrance devices. LAN cable from hub to PC is included.