

## DLP-5

**PORTABLE DATALOGGER  
FOR TEMPERATURE, HUMIDITY AND ILLUMINANCE  
MEASUREMENTS, WITH 2 EXTERNAL INPUTS**



### KEY FEATURES

#### MULTIPLE LOGGING METHODS

- Time-based – log at fixed time interval
- Event-based – log when an external event triggers the measurement

#### EXTENDED MEMORY

- Up to 250 000 points

#### MODERN TFT TOUCH SCREEN DISPLAY

- 2.4" TFT color display with intuitive graphical visualization of logged data

#### PLUG AND PLAY

- Easy to use, no pre-configurations needed for basic usage

#### STANDARD USB CONNECTOR

- For data download, configuration and auxiliary power supply

#### MULTI CHANNEL DATALOGGER

- Measure up to 5 parameters (3 built-in + 2 external inputs)

#### CONFIGURABLE ALARMS

- 2+2 configurable setpoint alarms can be configured per each channel
- The last 5 alarms can be read directly on the DLP-5 display

MADE IN  
FINLAND

### DLP-5 DATALOGGER BENEFITS

#### MULTI CHANNEL DATALOGGER WITH LARGE MEMORY

DLP-5 can measure and log up to 5 channels: ambient Temperature, Humidity and Illuminance are built-in, while 2 additional inputs allow you to easily record measurement from external sensors. The large built-in memory can memorize up to 250 000 measurement points. Additional "Last Alarm Memory" allows to read the last 5 alarms directly from the display of DLP-5.

#### ANYONE CAN USE IT

- **Plug and play installation.** No configurations needed for basic usage.
- **A unique color graphical display** for quick and easy monitoring of the measured parameters.
- **PC connection** (micro USB) to download the log of the measurements, retrieve detailed information of the DLP-5 status and make advanced configuration.

#### CONFIGURATION SOFTWARE INCLUDED

The ED Studio software allows you to easily configure, download and analyze log files from your DLP-5. ED Studio runs on Windows OS (Win 7 Pro, Win 8, ...) and does not require a separate interface: DLP-5 features a standard Micro USB interface.

# TECHNICAL SPECIFICATIONS

## ELECTRICAL

- Power supply: 2 x 1.5 V Battery (AAA), or via USB
- Battery life: up to 1 year <sup>(1,2)</sup>

## PHYSICAL

- Dimensions: 115 mm x 69 mm x 19.5 mm
- Dimensions: 120 mm x 74 mm x 24 mm (with optional silicon cover)
- Weight: approx. 150 g
- Materials: ABS plastic / Silicone
- Protection Standard: IP40
- Display: 2.4" TFT
- USB Connectors: 1 x Type Micro-B
- External Connectors: 2 x pluggable screw terminal

## LOGGING METHODS AND MEMORY <sup>(2)</sup>

- Memory size: 250 000 points (50 000 pts/ch)
- Memory usage (selectable)
  - Record to full
  - Continuous recording
- Time-based log: log at fixed time interval
  - Time interval: 1 s to 24 h (selectable)
- Event-based log: log based on event
  - Trigger event: DI change, press of "event" button or alarm

## ENVIRONMENT <sup>(2)</sup>

- Operating and storage conditions
  - Temperature: -20 °C to +70 °C
  - Humidity: 90 % non-condensing

## INTERNAL SENSORS RANGE AND ACCURACY <sup>(2)</sup>

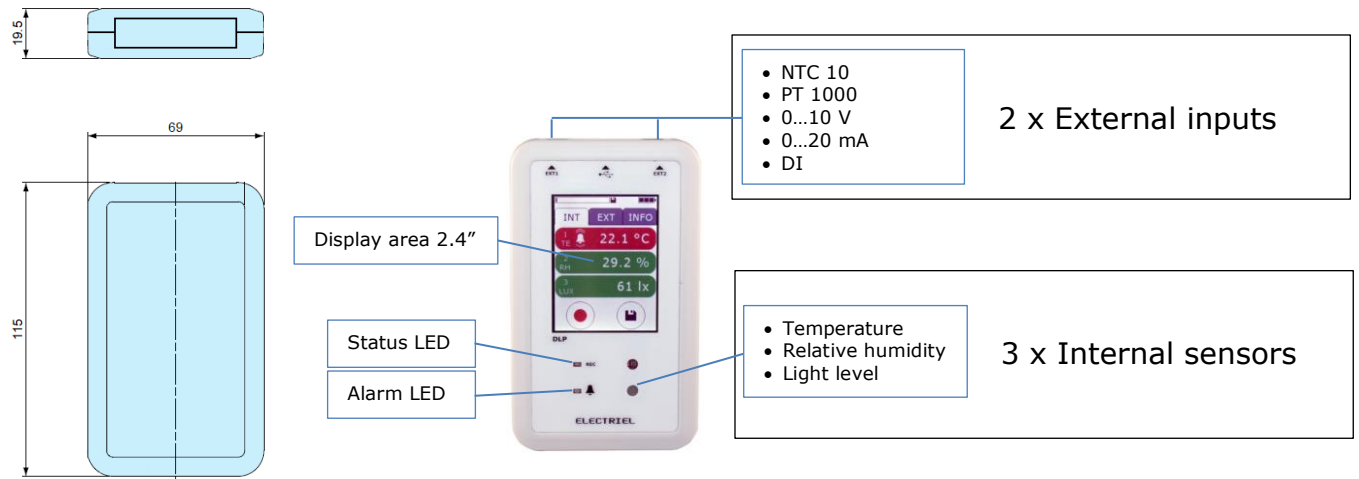
- Temperature:
  - Range: -20 °C to +70 °C
  - Accuracy: ±0.4 °C @ 25 °C
- Relative Humidity:
  - Range: 0 % RH to 100 % RH
  - Accuracy: ±3% @ 25 °C
- Illuminance:
  - Range: 0 lx to 30 000 lx
  - Accuracy: ±10%

## EXTERNAL INPUTS RANGE AND ACCURACY <sup>(2)</sup>

- Temperature (selectable)
  - Sensor Type NTC 10:
    - Range: -40 °C to +120 °C
    - Accuracy: ±0.2 °C + external sensor accuracy
  - Sensor Type PT 1000:
    - Range: -40 °C to +120 °C
    - Accuracy: ±0.2 °C + external sensor accuracy
    - Range: -100 °C to +400 °C
    - Accuracy: ±1.0 °C + external sensor accuracy
- Analog input - 0...10 V, ≤ 0.5 mA:
  - Range: 0...10 V
  - Accuracy: ±0.1 % FS
- Analog input - 0...20 mA, ≤ 3 V:
  - Range: 0...20 mA
  - Accuracy: ±0.1 % FS
- Digital input- Dry contact:
  - Range: Open / Closed

<sup>(1)</sup> 1 measurement every 15 minutes at 25°C, prolonged use of backlight display reduces battery life – <sup>(2)</sup> See User Manual for detailed information

# PRODUCT OVERVIEW



# OTHER

## EXTERNAL INPUTS

- Temperature sensors type NTC 10 (factory setting) or PT 1000
- 0...10 V input
- 0...20 mA input
- Digital Input, dry contact

## WARRANTY 1 YEAR

- Contact Electriel or your authorized distributor for complete terms

## MANUAL AND SOFTWARE

- Download the complete user manual and latest version of ED Studio software from Electriel website [www.electriel.com](http://www.electriel.com)