

# L-Box

## 2ch Data-logger



Rugged data-logger for voltage, current and PT100 in a weatherproof enclosure box.

The L-Box ultra-high resolution data-logger has two input terminals to connect any type of electrical signal such as current, voltage, Pulse count, resistance or strain gauge. This is the perfect solution in combination for example with 2 pyranometers. The data-logger has a built in battery to be used without external power supply and can store up to 4 million data-points. With the integrated humidity and temperature detector meta-data can be acquired.

## Specifications

Number of input channels	:	2
Voltage range	:	0 – 10 mV / 0-100mV / 0 – 1V / 0 – 10V
Impedance	:	> 1GOhm
Operating temperature range	:	-40 +90°C
Data storage	:	4M data points
Battery type of the data logger	:	LITH-12
Interface	:	USB to PC
Software	:	InfraLog 5 / Other software optional
Compatible with	:	MS-80 / MS-60 / MS-40 / ML-01 / ML-02
Enclosure box IP level	:	65
Weight	:	0.35kg
Dimensions	:	125 x 60 x 60 (mm)

## Software

Free software “InfraLogV5” can be downloaded through the link:

<https://www.driesen-kern.com/service-and-support/updates/infralogupdate.php>

## Settings

The MS-80 Albedo is pre-configured and ready to use.

**CH1** / Upper Sensor MS-80 Sxx / **S = xx.xx  $\mu$ V/W/m<sup>2</sup>** / Brown (+) and White (-)

**CH2** / Lower Sensor MS-80 Sxx / **S = xx.xx  $\mu$ V/W/m<sup>2</sup>** / Brown (+) and White (-)

Sample time **5s** (Can be changed through settings)

Irradiance conversion:

Standard range 0 – 20mV (High impedance)

MS-80 Sxx / **S = xx.xx  $\mu$ V/W/m<sup>2</sup>** range 0 - xx W/m<sup>2</sup>

MS-80 Sxx / **S = xx.xx  $\mu$ V/W/m<sup>2</sup>** range 0 - xx W/m<sup>2</sup>

## Connect USB cable

The USB port is embedded inside the DK337 datalogger enclosure. To access the USB port, take off the connectors 1 and 2. Rotate the datalogger enclosure counter clockwise.

