

Data Logger Logger-Paul Ampère for current reading

order-no. 21-5863

CHARACTERISTICS

*Stores >400 Mio.
measurement values*

*adjustable record speed
starting with
1 second*

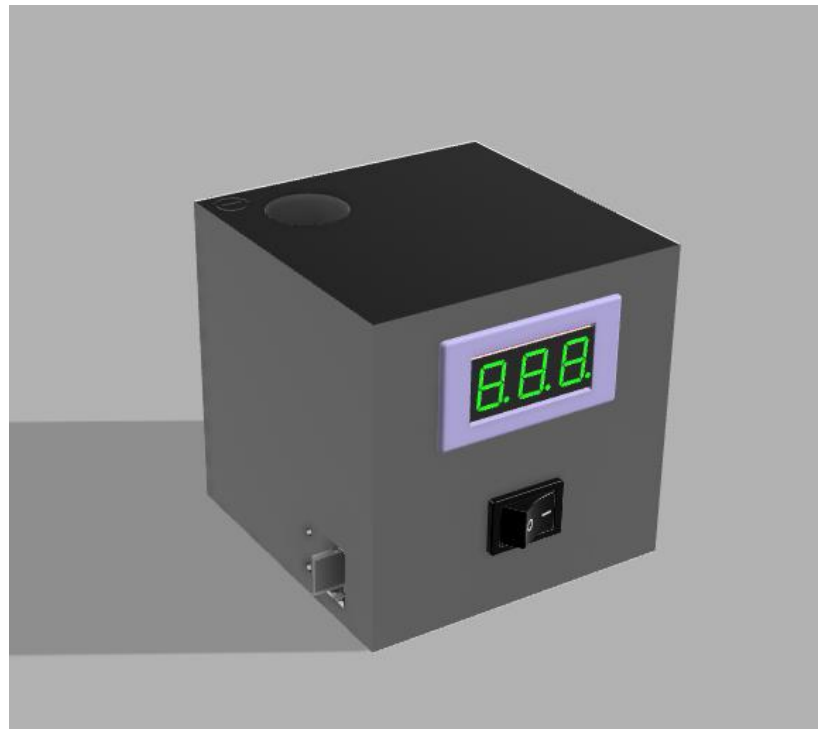
*WiFi function to check
the actual values*

*integrated battery
covers >1d*

contact-free measurment

*different configurations
50A / 100A / 200A / 400A
and 600A*

*equipped with
LoggerConnect to
connect several data
logger*



The high-quality products from Logger Paul provides professional data loggers for different measurement parameter. Our product range are tested by German engineers and offer comparable quality to known technology brands without paying premium charge. In addition to our portfolio we offer customized data logger on request.

product description

We introducing the Logger Paul data logger “Ampère”. This high quality standalone unit has a robust construction which also makes it ideal for use in industrial environments and can be used to measure and store over 400,000,000 DC current readings from -600A to +600A depending on configuration.

The data logger unit is compact, portable and incredibly versatile. The data is written to a micro SD card in csv-format and can be accessed with any SD card reader or a corresponding interface on the PC. Further, the current measured value can be checked via a WiFi connection, so access to the measured data is highly flexible and follows your routines on site or later back at your desk.

An internal battery supplies the electronics with power for over a day and can be charged via a USB-C interface. For long-term measurements, the data logger can also be powered directly during the measurement via the USB-C connection.

general

measurement parameter	current DC
interface	SD card / WiFi / LoggerConnect
resolution per channel	13bit (12bit + sign)
data recording cycle time	adjustable (1 second to 12 hours)
Recording data	>400.000.000 amperage DC
software	-- nicht necessary --
included	Akku (>1d runtime)
application	photovoltaic system, formation of accumulators, charging- and discharging-prozesses, energy storage systems, among others...

Data Logger – Ampère

measurement

LOGGERVERSION	PARAMETER	RANGE	RESOLUTION	ACCURACY
50A	Stromstärke DC	-50 A dc bis +50 A dc	0,1A	2%
100A	Stromstärke DC	-100 A dc bis +100 A dc		
200A	Stromstärke DC	-200 A dc bis +200 A dc		
400A	Stromstärke DC	-400 A dc bis +400 A dc		
600A	Stromstärke DC	-600 A dc bis +600 A dc		

electrical

power source	Akku / USB-C charging socket
battery typ	Li-Polymer (5000mAh)
battery exchange time	rechargeable

mechanical

dimension	90 mm x 90 mm x 90 mm
length	90 mm
width	90 mm
hight	90 mm
diameter – cable feedthrough	20 mm

Data Logger – Ampère

operating condition

wide operating temperature range	-30 °C to +80 °C
max. operating temperature	80 °C
min. operating temperature	-30 °C

approval

conformity / certification	CE
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