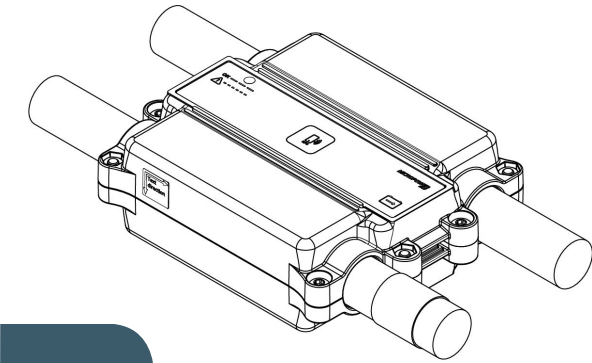


Battery Logging Unit

MICROPOWER BLU



INTENDED USE

The battery logging unit, Micropower BLU, is a mobile instrument for fault finding and operational analysis of free-ventilated and valve-regulated lead-acid batteries up to 96 V nominal DC voltage. The unit monitors and stores information about battery status, charging, discharging, and deviations, which wirelessly can be read out through the Service Tool or GET 2.0 NFC application for easy access.

FEATURES

- Isolated and waterproof
- Plastic housing
- Compact and easy to operate
- Compatible with iOS-/Android devices through NFC

INSTALLATION

 **WARNING.** Batteries contain corrosive electrolyte, use appropriate protection during all battery-related tasks.

The unit is installed between the vehicle and the battery as follows:

1. Ensure the arrow in the battery side guide symbol points towards the battery when connecting the battery logging unit. Incorrect mounting may result in monitoring the charging current as discharging current and vice versa.
-  **CAUTION.** The battery logging unit, harness and battery connectors have a limited current capacity. Incorrect use may cause fire.
2. Connect the other end of the battery logging unit to the vehicle.
3. Set date and time if the alarm for Time not set is active.
4. Configure the battery logging unit according to current logging needs with the Service Tool or GET 2.0 NFC application.
5. Securely fixate the battery logging unit and its harness to ensure protection against mechanical damage.

SAFETY FIRST



Read and understand this instruction, the battery instruction provided by your battery manufacturer, and your employer's safety practice, before using, installing, or servicing the product.

Only qualified personnel should install, use or service this product.



WARNING, risk of electric shock.
The battery may deliver voltages on a level that may cause personal injury. Do not touch uninsulated battery terminals, connectors, or other live electrical parts.

Disconnect the battery before maintenance, servicing or dismantling. Do not operate the unit if there is any evidence of damage.

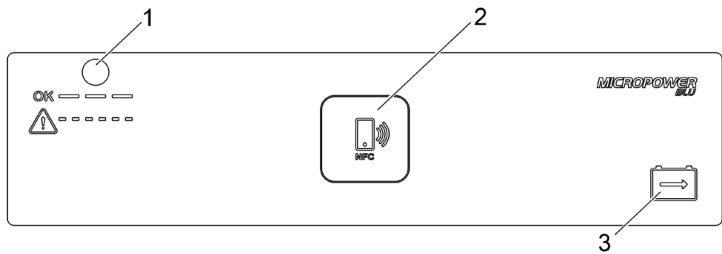


WARNING, explosive gases.
Lead-acid batteries generate explosive gases during charging.



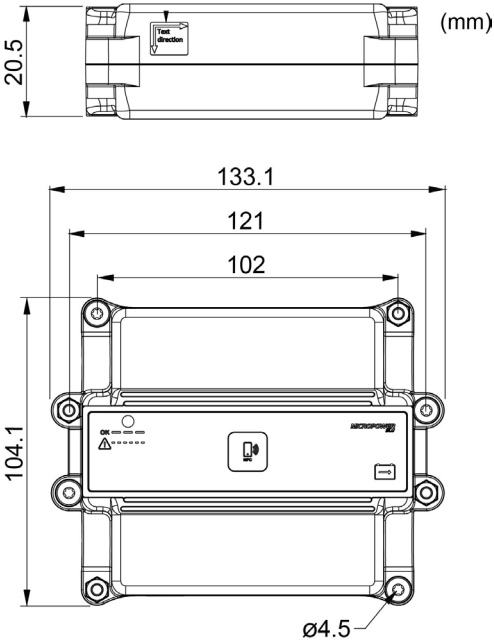
No open flame.
Fire, open ignition source and smoking are prohibited near battery.

USER INTERFACE



1		Status indicator, blue
2		Near Field Communication (NFC)
3		Battery side guide symbol

DIMENSIONS



FUNCTION CONTROL

The functions in the battery logging unit can be activated, inactivated and adjusted using the Service Tool or GET 2.0 NFC Application.

STATISTICS

During operation, statistical logs are stored for service purposes. The data can be accessed through Service Tool or GET Cloud 2.0.

GET READY

The battery logging unit has Near Field Communication (NFC) and can communicate with compatible iOS-/Android devices.

- 1. Activate NFC on the current iOS-/Android device.
- 2. Put the iOS-/Android device on the unit's NFC symbol.

The battery logging unit can connect wirelessly to GET Cloud 2.0 for fleet management and additional smart services.

MAINTENANCE

-  **CAUTION.** Maintenance may only be performed by qualified service personnel.
-  **WARNING.** Disconnect the battery before maintenance, servicing or dismantling.

Do not operate the unit if there is any evidence of damage.

-  **WARNING.** The battery logging unit must not be cleaned with a high-pressure washer.

- 1. Check that the battery logging unit and its harness are in good condition without any signs of mechanical damage.
- 2. Check that the battery logging unit is free from electrolyte and dust, clean it if needed.

TECHNICAL DATA

Supply voltage	10–150 VDC, reverse polarity protected
Electrolyte voltage	Not used (always 0)
Center voltage	Not used (always 0)
Temperature sensor (BLU internal)	–20 to 100 °C (–4 to 212 °F)
Current sensor, momentary	0 to ± 1500 A
Current sensor, continuous	Up to 400 A, depending on connector
Accuracy	Current: 0.5 % or 200 mA within calibrated area
	Voltage: 0.1 % or 20 mV within calibrated area
	Temperature: 1 °C (1.8 °F)

Log memory size	2048 kB
Ingress protection	IP65
Cable length, battery side to vehicle side, excl. connectors	900 mm
Connectors, battery side ⁽¹⁾	Connector must fit a 95 mm² cable
Connectors, vehicle side ⁽¹⁾	Connector must fit a 95 mm² cable
FCC / IC ⁽²⁾	Z7H-EMB2538PA / 21487-EMB2538PA

1) According to order.
2) This device complies with part 15 of the FCC Rules. For more information, please visit: <https://docs.micropower-group.com/Other docs>

APPROVALS

Manufactured by: Micropower Group AB

The manufacturer declares that this product complies with applicable requirements and the Radio Equipment Directive 2014/53/EU. Complete declaration is available at Micropower Support Center: <https://docs.micropower-group.com/Other docs>

RECYCLING

The product is recycled as electronic scrap. Local regulations apply and should be followed.

PRODUCT AND SUPPORT INFORMATION

For more information, visit Micropower Support Center:



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