



Supplementary Operating Instructions

ALMEMO® 500

Battery Compartment

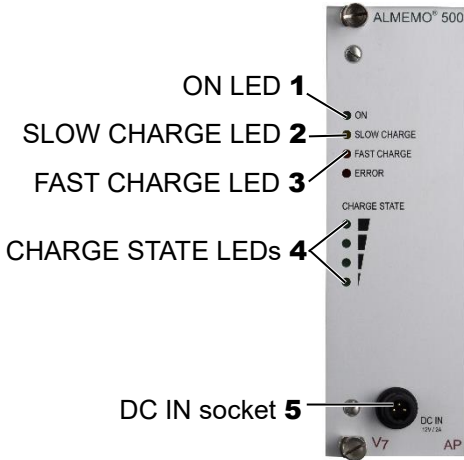
V7 Technology

English

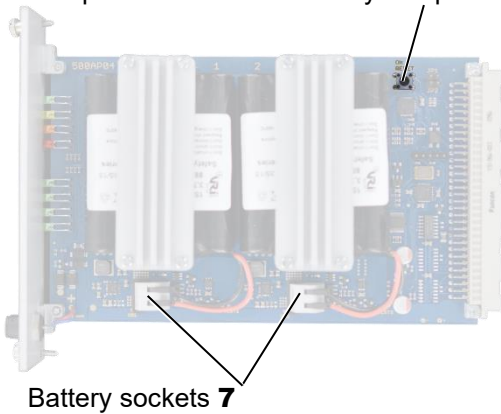
V2.1

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1 General illustration of the battery compartment



Reset pushbutton of the battery compartment **6**



2 Table of Contents

1	General illustration of the battery compartment	2
2	Table of Contents	3
3	Explanation of Symbols	3
4	Before the first use of the battery compartment	4
5	Remove battery compartment from the housing of the data logger ...	5
6	Charge batteries.....	6

3 Explanation of Symbols



Safety note



Requirement



Request



Notice



Result



Reference referring to the general illustration of the battery compartment (Page 2)

back

Text, which is displayed within a software






For the description of the battery compartment see Instruction Manual ALMEMO® 500, chapter 5.4 Description of the Battery Pack (optional).



For more operating instructions see Instruction Manual ALMEMO® 500, chapter 10 Operation with a Battery Pack (optional).

4 Before the first use of the battery compartment

-  For safety reasons, the battery sockets will be unplugged prior to shipment in order to properly interrupt the power supply of the battery compartment provided by the battery.
- In case the battery compartment was delivered together with the data logger, please remove the battery compartment from the housing of the data logger; see also chapter 5 Remove battery compartment from the housing of the data logger
1. Pin the Battery sockets **7** to the nearest pin header.
 2. Press the Reset pushbutton of the battery compartment **6**.
 - At first, all LEDs of the battery compartment will light up. In the following only the ON LED **1** and the CHARGE STATE LEDs **4** will continue to light.
 - The battery compartment was successfully reset.
-  Do not use more than 3 battery compartments in one ALMEMO® 500 data logger.
3. Slide the battery compartment into the housing of the data logger.
 4. Tighten the knurled screws of the battery compartment.
-  Fully charge the batteries before the first use. See chapter 6 Charge batteries.

5 Remove battery compartment from the housing of the data logger

- ! Make sure the data logger is switched off
- ! Make sure the data logger is disconnected from the power supply.
- 1. Loosen the knurled screws that hold the battery compartment in place.
- 2. Remove the battery compartment from the housing of the data logger.



Make sure no short-circuits occur on the printed circuit board. Do not place any conductive piece (e.g. screwdriver) on the printed circuit board. Short-circuits will cause damage to the product.

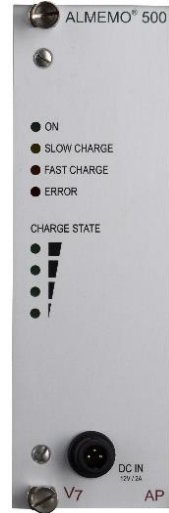


Protect the assembly from electrical discharge. Only handle the assembly within a safe electrostatic environment.

6 Charge batteries

☞ The CHARGE STATE LEDs **4** indicate the current charging level of the battery packs.

All LEDs light up	Battery charge >80%
The three lowest LEDs light up	Battery charge >60%
The two lowest LEDs light up	Battery charge >40%
Lowest LED lights	Battery charge >20%
Lowest LED flashes slowly	Battery charge <20%
Lowest LED flashes fast	Battery charge <10%
Lowest CHARGE STATE LED and ERROR LED flash fast	Battery charge <5%



☞ As long as the data logger is turned off, the battery compartment will be charged fast.

In case the data logger is switched on, the battery compartment will be charged slowly to avoid system overload and excessive heating.

The supply and the charging of the battery can be done in three possible charging scenarios:

Via the battery compartment

- Connect the DC plug of the mains adapter to the DC IN socket **5** of the battery compartment and the mains plug to an electrical socket.

Via the CPU card

- Connect the DC plug of the mains adapter to the DC IN socket of the CPU card and the mains plug to an electrical socket.

Simultaneously via the CPU card and the battery compartment

- Connect the DC plug of the mains adapter to the DC IN socket of the CPU card and the DC plug of another mains adapter to the DC IN socket **5** of the battery compartment. Connect the mains plug to an electrical socket.

Charge more than one Battery Compartement simultaneously

- ☞ If several battery compartments are inserted in the data logger, a mains adapter must be connected to each battery compartment at the same time in order to charge the batteries.
- Connect the DC plug of the mains adapter to the DC IN socket **5** of the battery compartment and the mains plug to an electrical socket. Repeat this step for each battery compartment.

- The batteries are fully charged as soon as all CHARGE STATE LEDs light up and the SLOW respectively the FAST CHARGE LED goes out.

**Despite great care, incorrect information cannot be ruled out.
Technical changes are reserved.**

You will find the present and further Operating Instruction,
as well as the ALMEMO® Manual
on **www.ahlborn.com** under the tab **SERVICE** on **DOWNLOADS**.

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