

## Operating Instructions

# Battery charger

- 230 V AC 50/60 Hz
- 10-30 V DC



# Contents

Technical Data .....	3
Ordering Data .....	3
General Information .....	4
Designated Use .....	4
Safety Instructions .....	5
Operation .....	6
Care .....	7
Storage .....	7
Disposal .....	7



**Important!**

**It is imperative to read and observe all safety instructions prior to initial operation!**

## Technical Data

### Battery charger

Power consumption	12 W
Output voltage	< 10 V
Output current	0,4 A
Protection class	II
Charging time	ca. 3 h
Charging temperature	+10 to +50 °C, optimal: approx. +20 °C
Dimensions (W x L x H)	186 x 140 x 42 mm

### for alternating current (AC)

Operating voltage	<b>230 V AC 50-60 Hz</b>
Fuse	Th 131 °C (thermal fuse)
Weight (without battery)	approx. 0,85 kg

### for direct current (DC)

Operating voltage	<b>10-30 V DC</b>
Fuse	5,0 A delay-action
Weight (without battery)	approx. 0,48 kg

## Ordering Data

### Charger for alternating current (AC)

230 V AC 50/60 Hz

**Order-no. 072366.000**

### Charger for direct current (DC)

10-30 V DC

**Order-no. 072367.000**

### Accessories

**Spare accumulator 2 x 6 V DC**

**Order-no. 072365.000**

## General Information

These operating instructions should make it easier for you to become acquainted with the product. They contain important instructions to ensure safe, appropriate and cost-effective use of the equipment, to reduce repair costs and downtimes, as well as to raise the equipment's reliability and operational lifetime.

The operating instructions endorse the directives of national regulations for the prevention of accidents and the protection of the environment.

These operating instructions should always be available at the installation site.



**These operating instructions shall be read and adopted by anyone assigned to work with/on the equipment, e.g. during**

- **Operation to include setting-up, trouble-shooting in operational procedures, removal of production waste, maintenance, disposal of operating supplies.**
- **Maintenance, Inspection and Repair**

In addition to the operating instructions and the mandatory regulations for the prevention of accidents, applicable in the operator's country and at the place of use, the recognized technical regulations for safe and professional operation, shall also be observed.

## Designated Use

The chargers described in these Operating Instructions may only be used to charge rechargeable LANCIER Monitoring 2x6 V 900 mAh NiCd accumulators (Order. no. 072365.000).

Designated use includes adherence to all prescribed operating, service and repair conditions.

Any non-compliant use excludes the manufacturer from liability for any damages. The operator carries the risk!

## Safety Instructions



### Important!

Read and observe safety instructions prior to initial operation!

- Keep the operating instructions ready to hand!



### Accident prevention!

- The unit should only be operated in technically-sound condition, for its designated use, with safety and risk awareness in mind, taking into account the operating instructions.
- Before connecting the charger to the electricity supply make sure the voltage tallies with that on the charger labelling (see type plate).



← Type plate with voltage details

- Only operate the charger at room temperature (approx. 20 °C).
- Do not place it on any heating source. Avoid direct sunlight.
- Never cover the device with paper, cloths, or the like to prevent heat accumulation!
- In the event of malfunction or emergency unplug the device from the power supply.
- Malfunctions deleteriously affecting safety in particular must be remedied immediately!
- The charger may only be serviced and operated by persons familiar with it who have been informed of the possible risks!
- Unplug the device from the power supply before carrying out any repair work.
- Do not modify the device in any way.



### Risk of damage to property!

- Do not submerge the device in water.
- Maintenance and repair work should only be performed by trained personnel!
- Only use original LANCIER Monitoring spare parts!

## Operation

- Plug the device into the power supply socket.

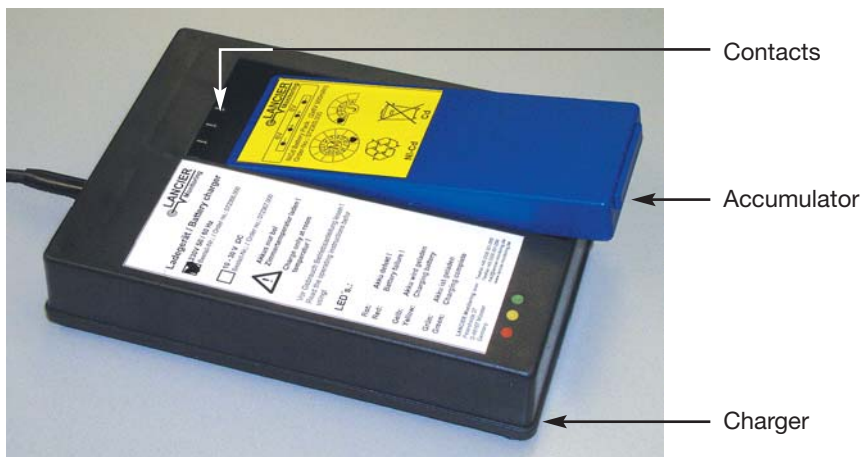


### Important!

Make sure the voltage tallies with that on the charger labelling (see type plate).



- Insert the accumulator in the charging bay of the charger. Make sure accumulator contacts point toward the contact pins and that the type plate is visible. The accumulator must noticeably click into place.



- Check the Light Emitting Diodes (LEDs):
  - red:** the accumulator is defective - remove it and dispose of it in an environmentally acceptable manner.
  - yellow:** the accumulator is being charged. Charging takes about three hours.
  - green:** the accumulator is completely charged and can be removed.



### Important!

The charger is equipped with over-charge protection.  
The optimal ambient temperature while charging is approx. 20 °C.

- Remove the accumulator after complete charging.
- Unplug the charger from the power source socket if it is not in use, is being cleaned or is being serviced/repared.



### Important!

Never leave the plugged-in device unattended !

## Care

To achieve as long a service life of charger and accumulator as possible, please note the following:

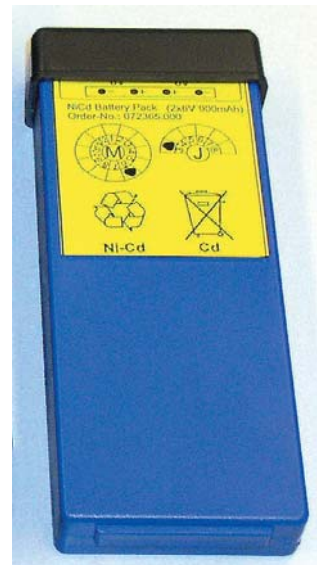
- Always charge the accumulators before first use and after lengthy storage periods.
- Only empty accumulators should be charged. Do not charge partially discharged accumulators to avoid memory effect.
- Avoid total accumulator discharge. This may damage the accumulator.
- Do not store accumulators in the charger.
- Keep the charger and accumulator contact surfaces clean.
- Protect the charger against oil, grease, corrosive cleaners and thinners. They may damage the housing.

## Storage

- Always use the contact protection cap when an accumulator is not in use to prevent short-circuiting.

Protection cap →

- Avoid storage locations that may generate short-circuits, e.g. toolboxes, pockets with keys, etc.



## Disposal

- Do not dispose of old or defective accumulators as normal domestic waste.
- Adhere to environmental laws on battery disposal.
- Return old and/or defective accumulators to a municipal battery disposal point.



Ni-Cd



Cd



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## EC Declaration of Conformity

We declare under our sole responsibility, that the product

**Make:** LANCIER Monitoring  
**Type:** Battery charger  
for Hydrotector H<sub>2</sub>

to which this declaration refers, meets the relevant health and safety requirements of the following EC directives:

**2006/95/EG** Low voltage directive  
**2004/108/EG** Electromagnetic compatibility

For proper implementation of the health and safety requirements named in the EC directives the following standard(s) and/or technical specification(s) have been consulted:

**EN 60335-2-29:2004** Household and similar electrical  
+ A2:2010 appliances - Safety  
**Part 2-29: Particular requirements  
for battery chargers**

**EN 60950-1:2006** Information technology equipment  
+ A11:2009 + A1:2010 - Safety  
**Part 1: General requirements**

**EN 61204-3:2000** Low-voltage power supplies DC  
output - **Part 3: Electromagnetic  
compatibility (EMC)**

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Research and Development

  
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