

Multichannel Charger

Ch4x, 8x, 19"

Manual

Charger for NiMH batteries integrated in optolinks and external battery packs



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1 Box contents

Quantity	Description
1	Table top or 19" charger
1-32	Charging channels, depending on order
1-32	Charging cables, depending on order
1	Power cord
1	Manual (english)

The number of integrated charging channels is variable as well as the housing and depends on the order. Depending on the selected number of channels, the housing size varies too.

2 Characteristics

With the multichannel charger up to 32 NiMH-batteries can be charged independent at the time. The charging channels are made for a fixed number of cells (4-10).

3 Details and operation

Fig. 1 shows the main parts of a multichannel charger, the main switch unit and the charging channels, in this case build for a 3HU 19" rack mount kit.

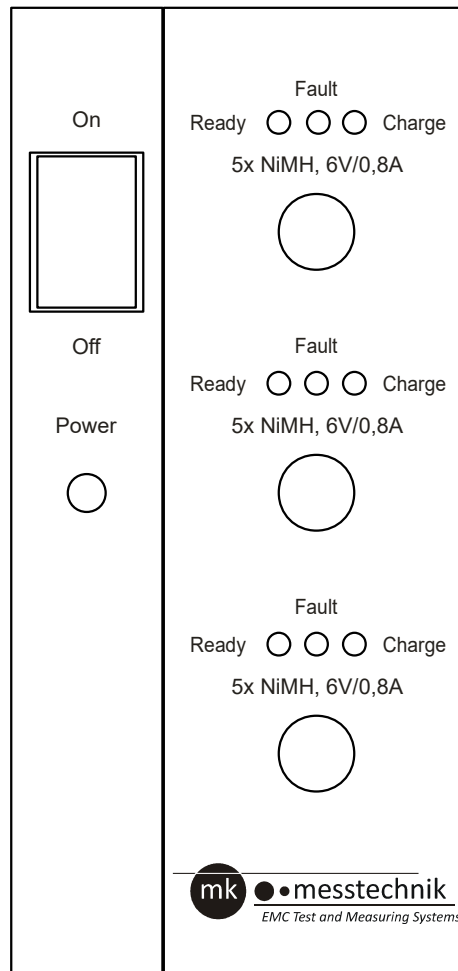


Fig. 1: Main switch and charging channels

- Main switch unit with power *On / Off* switch and *Power* LED.
- Charging unit with 1,2 or 3 charging channels stacked for 19" rack mounts. 4 or 8 channels in one unit for table top chargers. Each charging channel has got a *Ready*, *Fault* and *Charge*-LED. For each channel, the number of cells charging voltage and current are noted. In the shown case it is made for 5 cells (6V/0,8A).

Fig. 2 shows the pinning of the charge connector. **Verify the correct number of cells before plugging in.**

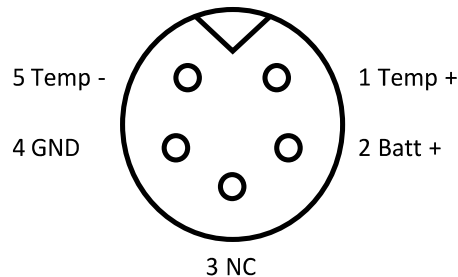


Fig. 2: Pinning of charge connector

The batteries are charged via Pin 2 (+) and Pin 4 (-), Pins 1 and 5 are used for temperature control (if applicable).

Do not use cleaning agents or solvents to clean the devices, only use a slightly moistened, soft cloth.

Do not open the devices, as there are no parts inside which have to be maintained. The opened housing can pose a fire hazard through short-circuit currents! Please contact your distributor or the manufacturer if you have any problems. Send in the complete system (both transceivers), if a problem cannot be solved by turning the devices off and on again or by checking the positions of the switches. Please contact us in any case before sending in the devices.

- Plug in the power cord and switch the charger on (power switch). The LED integrated in the power switch indicates the supply of the internal power supply. The *Power* LED indicates the supply of the internal bus with 12V (19" rack mount units).
- Plug in the charging cable into a free charging channel and connect the other side to a battery pack or optical link. **Verify, that the channel being used is made for the correct number of cells of the connected device!**
 - The *Ready* LED and the *Charge*-LED are activated. The connected battery is being charged.
 - When the charging is finished, the *Charge*-LED turns off.
 - If any error occurs during charge time (short cut, over temperature, etc.) the *Fault*-LED of this channel is activated. Check the connected charging cable and battery for any damage. Try to use a different charging channel or cable.

Do not use charger or power supply during EMC-tests!

**Do not open the devices!
Short cut / fire hazard!**

Always verify correct number of cells being connected to the charger! Charger and/or connected system might get damaged if disregarded!

4 Accessories / Options

Part	Order number	Comment
Charging cable	Ch-cable X-Ym	X = type of charging connector Y=length in m
Manual	MA-Charger	German or english

5 Contact

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Date:
04/27/12

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