

DP 14 automatic charger

Order No. 9 2517

Operating instructions

FEATURES

The DP 14 charger is an automatic rapid-charger for NiCd battery packs. The charge current is supplied to the battery by a pulsing process. The charger uses the Delta Peak method to detect a fully charged battery. At the end of the rapid-charge process the unit switches automatically to a trickle charge, and the current then falls to about 5% of the rapid-charge current previously selected. Please note that it is not allowed to leave the NiCd pack in a trickle charge process for more than one hour.

SPECIFICATION

Input

- Voltage: 12 V DC - car battery
- Fuse: 15 A fuse

Output

- No. of cells: 4 to 14 NiCd cells
- Cell capacity: 100 mAh to 2000 mAh
- Output current: 0.1A to 3A, infinitely variable

- Dimensions: 150 x 102 x 40 mm
- Weight: 600 g

USING THE CHARGER

1. Connect the charger to the power source.

Check polarity carefully!

The LED (SCHNELL/ERHALTUNG - RAPID/TRICKLE) will glow green, and you will hear an audible warning signal. Press the OFF button to switch off the warning tone if you wish.

2. Rotate the current selector knob anti-clockwise as far as it will go.

This selects the minimum charge current.

3. Connect the NiCd battery to the output sockets.

Check polarity!

- RED = POSITIVE (+)
- BLACK = NEGATIVE (-)

4. Start the charge process.

Press the START button.

The LED (SCHNELL/ERHALTUNG) glows red.

5. Set the charge current.

You can now rotate the current selector knob to set a charge current which is suitable for the battery connected to the unit. Follow the battery manufacturer's recommendations here.

As a guide we recommend $2 \times C$ for rapid-charge MULTIPLEX batteries, where C = nominal capacity.

Charge capacity in A = Capacity of the battery x 2.

When the charge process is complete, the unit switches to a trickle charge. The LED then switches back to green and the audible warning signal sounds again.

6. Disconnect the power source, charger and NiCd pack when you have finished charging.

SAFETY MEASURES

This charger may only be used with rapid-charge type batteries.

Never attempt to charge your batteries at an excessive rate.

NiCd packs can explode if the charge current is too high.

Do not stand the unit on a heat-sensitive surface for charging.

The case gets quite warm during the charge process, and this could damage the surface beneath.

From time to time check the battery temperature by hand while it is being charged.

At the end of the charge process the pack will heat up to about 40 degrees C.

Be sure to disconnect power source, charger and NiCd pack when the charge process is over.

The trickle charge is too high to allow you to leave batteries connected to the charger permanently - max. 1 hour!