TECHNICAL SPECIFICATIONS

- **Battery**
  - NiCd 6V 5.5Ah
  - NIMH 6V 8.5Ah

- **Glass lens**
  - 109,5 x 5mm

- **Reflector**
  - Aluminium

- **Operating temperature**
  - Min. -20°C, Max. +50°C

- **Dimensions**
  - 121 x 121 x 216 mm

- **Weight**
  - NiCd battery 1.4kg
  - NiMH battery 1.5kg

TERMS OF WARRANTY

- There is one year warranty for MICA lamps and charging holders from the purchase date covering potential manufacturing and material defects of the product.
- N.B. The new MICA light fixture/battery has to be brought into use or recharged three (3) months after production.

MICA—SERIES’ LAMPS AND ACCESSORIES

- **MICA ML-600/1/2 Small chargeable hand lamp series**
- **MICA SL**
  - Forehead and helmet lamps
- **MICA HL-150/200**
  - Forehead and helmet lamps for professional use
- **MICA IL-80 ATEX**
  - Forehead and helmet lamps for explosion-hazardous areas
- **MICA ML-800 ATEX**
  - Small hand lamps for explosion-hazardous areas

CONTACT INFORMATION OF THE MANUFACTURER

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Product information given in this document subject to change without prior notice.

Get familiar with this manual to fully benefit from your MICA lamp. Keep the manual if you want to use it later.

MICA ML-600/1/2 and IL-61 NIMH hand lamp manual

- **NiCD Battery**
  - Operating times
    - 6W: 8h
    - 10W: 5h

- **NiMH Battery**
  - Operating times
    - 6W: 8h
    - 10W: 5h

The operating time for a continuous signalling LED is over 18 hours.

Install a bulb according to the lamp operating time or the operating requirements. The greater the light output the less operating time. Only use bulbs supplied and tested by MICA dealers.

The battery discharges when stored. The lamp needs to be charged in the MICA ILC charging holder before commissioning. The charging time of the battery is approx. 8-11 hours depending on the charging current. The charging time is shortest when stored. The lamp needs to be charged in the MICA ILC charging holder when stored.

N.B. The first charging of a new lamp must take at least 12 continuous hours!
**OPERATION**

The electronically controlled pressure switches turn the lamp’s operation on and off (control switch "A" in the front of the handle) as well as change the light source between the halogen bulb and the signal LEDs (selector switch "B" situated below). The charge state of the battery is indicated by a small bar beneath the handle of the lamp. When only one of the four indicator lights is illuminated and the remaining three are off, the battery is fully charged. A fully charged battery provides a general operating time of 2 hours. A completely discharged battery indicates that the battery needs to be charged. The overall operating time is extended if it is used over short periods.

**IMPORTANT FOR OPERATION**

To gain a maximum lifetime of the battery the lamp should be discharged now and then by leaving the lamp switched on until the battery of the lamp needs to be changed. Please note that no NiMH batteries are to be placed into the NiCd lamp!

**CHARGING and KEEPING**

The lamps are charged in a MICA ILC charging holder. On the equipment identification plate of the lamp it is marked which battery is in the lamp. All IL lamps are kept in the holder when not used. The MICA charging holders keep the battery always ready to use. Become acquainted with the manual of the charging holder as well as the battery pack.

Please note that charging of NiMH batteries equipped lamps in old MICA IL-35 charging holders is strictly prohibited!

**MAINTENANCE**

Handle bulb and reflector with care as impurities inside diminish the light output and bulbs’ lifetime. The contaminated bulb should be replaced immediately. The lamp can be cleaned with a suitable solution. For a better cleaning effect, first switch off the electricity (operating switch A) and make sure that the battery charge level indicator lights are off. To replace the bulb, twist off the lock ring and loosen/change the bulb. If you still touch the bulb, clean it with a solution.

**Bulb replacement:**

First switch off the electricity (operating switch A) and make sure that the battery charge level indicator lights are off. To replace the bulb, twist off the lock ring and loosen/change the bulb. If you still touch the bulb, clean it with a solution.

**Dismounting the lamp:**

After removal of the bulb, unscrew the clamping bolt of the reflector using a wide screwdriver and remove the reflector. Loosen the contacts by unscrewing the Phillips screws on the bottom of the device. Disconnect also the three wires of the selector switch from the terminals. Pull out the carrier entirely from the housing.

**Battery package:**

Disconnect the battery connectors (wires red and black). The battery package can now be taken out of the carrier.

**Electronic module:**

Unscrew the fastening screws inside the charging contacts. Afterwards remove the rear fastening screw of the electronic module. The electronic module can now be released from the carrier.

**Push-on/off switches:**

The push switch (on/off) detachment starts from the outside of the housing by unscrewing the four switch cover plate screws. Remove the switch cover and the rubber cap and remove the switch... time make sure that the switch rubber caps are intact as their condition affects the lamp ingress protection substantially.

**Assembly:**

The lamp is assembled in the reverse order. Refer to picture "PIC 1" for correct connection of the switch terminals. The three selector switch connectors are connected as follows: the white wire to the circuit card, the red wire to the red line and the black wire from the switch.

All parts of your handlamp are available as spare parts through Mica Elektro Oy Ltd. Notice: When ordering spare parts please tell the type and serial number of your lamp/charger.

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1. H0051_1 Battery 8,5 Ah NiMH, battery wire
2. H0051_2 Battery 5,5 Ah NiCd, battery wire
3. H0100_5 IL-61 lamp’s housing orange
4. H0100_6 IL-61 lamp’s housing red
5. H0101_1 IL-lamp’s switch fitting grey
6. H0101_2 IL-lamp’s switch fitting black
7. H0106_1 IL lamp o-ring seal
8. H0107_5 IL-61 lamp’s circuit card
9. H0108_3 IL lamp’s bulb base Px 13.5
10. H0109_2 IL lamp’s bulb fitting
11. H0111_7 IL lamp’s 12 LED reflector wedge
12. H0111_8 IL lamp’s 12 LED reflector medium
13. H0111_9 IL lamp’s 12 LED reflector orange
14. H0112_1 IL inner carrier whole set
15. H0118_1 Gas discharge valve NiMH battery
16. H0119_1 IL-61 12 red Led card
17. H0120_1 IL-61 selector switch and rubber cap
18. H0200_1 IL-61 switch holder
19. H0201_1 IL-61 switch holder holder...