



ML-808 USER INSTRUCTIONS

MICA ML-808 ATEX is a small and effective rechargeable hand lamp using the latest LED technology. Lamp is specially designed to be used in explosive hazardous environments. In order to make full use of your new lamp, please read these instructions before use

Use of the Mica product must be controlled and accepted by the operator. Personnel using the MICA product must be authorised by the operator or a designated representative. The operator is responsible for the correct use and maintenance of the product. Repair of the MICA product must be carried out by a competent party that is authorised by the manufacturer.



CERTIFICATION:

Make sure that the certification of the lamp matches the zone classification of the area before using the lamp!

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Value Driven Safety

MICA ML-808 ATEX User manual

TAKING INTO USE

1. Charge the lamp before using it.

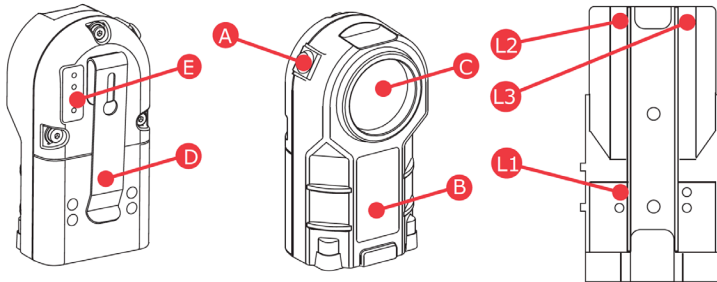
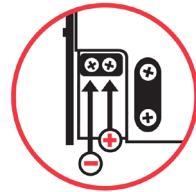
Batteries self-discharge during storage and must be charged prior to taking the lamp into use.

Please note that the lamp will not offer its full operating time until it has been charged and discharged ca. 5 – 10 times

2. Mount the quick charger stand MICA MLC

Choose a suitable installation location and mount the MLC charging stand with two screws. The stand may not be placed on a platform manufactured of a highly flammable material or installed inside the explosive hazardous area.

Connect the power supply wiring (use either a constant 12-24V DC voltage power supply like a vehicle battery or a MICA IL-2 AC/DC adapter) in the charging stand's round quick coupling. Alternatively, you can connect the power supply wires in the screw terminals on the back of the stand (be sure to connect the plus and the minus poles correctly and finally tighten the cable clamp; the plus wire (+) marked in red). Please see the diagram!



The red L1 light will light up when the power supply is connected, at the same time the L2 and L3 lights will flash.

Supply voltage of the charging stand must be continuous and it may not be disconnected by using a timer or any similar device.

- A = Operating Switch
- B = Type plate
- C = High power LED
- D = Belt clip
- E = LED indicator for battery charge

Note! When installing MLC into vehicles using 24V system MICA Converter 24V/12V need to be inserted between vehicle battery supply and MLC charger(s) if MLC is used to charge ML-808 lamps. Please contact your local retailer for information.

The MLC charging/holding stand is to be used with MICA ML lamps only. The battery will be charged from empty to full in approximately four hours. The smart charging technology guarantees optimal and safe charging in any situation.

1. The red L1 light will be lit when the charging stand is attached to a correct supply voltage (12- 24V).
2. Place MICA ML lamp in the MLC charging stand. When charging begins, the orange L2 light marked "charging" is illuminated. The lamp will be automatically turned off when it is placed in the MLC charging stand. The ML-808 ATEX lamp can be charged at a temperature of 0°C ... +40°C only.
3. When the battery is fully charged, the green L3 light marked "ready" is illuminated (and the L2 light is turned off). At that time, the lamp is ready for use and the charging stand will switch to maintenance charging mode.
4. The lamp must always be stored in the charging stand in order to be ready for use at all times. The MICA MLC quick charging stand will not overcharge the battery.

USING MICA ML-808 ATEX LAMP

Operating switch [A] of the Mica ML-808 ATEX lamp has three modes: LOW POWER → HIGH POWER → OFF.

The operating time of lamp depends on the mode chosen. A fully charged battery will allow you to work for approximately 4.5 hrs at High Power and 15 hrs at Low Power. If the lamp is used for shorter periods of time, the total operating time will be slightly longer.

ML-808 ATEX Lamp has four indication LEDs at the back of the lamp indicating the charge state of the battery.

Approximately 15-30 minutes before the battery is empty, the main light will begin to flash every 15 seconds.

Control electronics will automatically turn off the lamp prior to deep discharging of the battery. The lamp can be turned on for short periods of time after the deep discharge prevention has operated, but it will reduce the lifetime of the battery and is therefore not recommended.

When the lamp is not in use, it should be stored in the MICA MLC charging stand.

MICA ML-808 ATEX SAFETY INSTRUCTIONS

- Check that any part of the enclosure is not damaged and the lamp is functioning normally
- Cleaning and other necessary preparations must always be performed prior to moving into a potentially explosive environment.
- Check that the classification of the lamp is suitable for the potentially explosive environment, in which it is intended for use
- The charger must not be placed or lamp may not be charged in potentially explosive environments.
- The lamp must only be charged with the MICA MLC charger.
- The lamp may not be opened in a potentially explosive environment.
- If the lamp is not in good working order, remove it immediately from any potentially explosive environments.
- If the type plate is unreadable or missing, the lamp is not valid for use in potentially explosive environment.

LAMP MAINTENANCE:

- Always contact your local retailer for lamp servicing.

CERTIFICATION:

MICA ML-808 ATEX



II 2 G Ex ib op is IIC T4 Gb
II 2 D Ex ib IIIC T135 °C Db

VTT 13 ATEX 024

TECHNICAL SPECIFICATIONS MICA ML-808 ATEX:

Light source: High POWER LED

Battery: NiMH 6V

Operation temperature: -20°C ...+40°C (lamp)

Operating time: 4.5 hrs High Power, 15 hrs Low Power

Charging time: approx. 4 hrs from empty to full

Charger: MICA MLC

TECHNICAL SPECIFICATIONS MLC:

Charging temperature range: 0°C ...+40°C

Maximum charging time: 4 hrs

Supply voltage for Charger: 12VDC ... max.24VDC

TERMS AND CONDITIONS OF GUARANTEE

A two-year guarantee from the purchase date is granted for the MICA lamp and charger, covering any manufacturing and material defects according to generally applicable terms and conditions of guarantee. Please note that the guarantee period for the battery is six months. The guarantee becomes void if the adjustment values of the electronics components have been changed or if any components have been damaged in any other way. Under the warranty period, the lamp may be serviced by an authorized Atexor service agent only. For maintenance repair, please send the lamp and the charger stand as well as the purchase receipt with the product. Note! A new MICA lamp/battery must be taken into use or recharged within three (3) months of manufacture.

ML-808 ATEX EM lamps with SAFETY LIGHT FUNCTION

ML-808 ATEX EM mode lamp will turn on automatically when the lamp is in the charging stand and the charging power supply is cut off (power failure etc.). The EM lamp will always be automatically switched on in the safety light mode when placed in the charging stand.

ML-808 ATEX BK lamps with BLINKING LIGHT FUNCTION

The ML-808 ATEX BK model has a blinking mode instead of Low Power mode. The operation switch has the following modes: BLINK → HIGH POWER → OFF.

For more information, please visit our web site at www.atexor.com

The device has a NIMH battery and electronics inside, please use required actions when disposing of the device.



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We reserve the right to make changes to these user instructions without advance notice.