

Operating Manual

ALTAIR® 4 (10086638) and ALTAIR® 5 (10093057) Charging Cradles

Order No.:10000132772/00

WARNING!

Read this manual carefully before using or maintaining the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed, and persons who rely on this device could sustain serious injury or death.

The warranties made by MSA with respect to the product are voided if the product is not installed and used in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions.

Please read and observe the WARNINGS and CAUTIONS inside. For additional information relative to use or repair, call 1-800-MSA-2222 during regular working hours.

For countries of Russian Federation, Republic of Kazakhstan and Republic of Belarus, the gas detector will be delivered with a passport document that includes valid approval information. On the CD with manual instruction attached to the gas detector the user will find the documents "Type Description" and "Test Method" - appendixes to Pattern Approval Certificate of Measuring instrument, valid in the countries of use.

The Declaration of Conformity can be found under the following link: https://MSAsafety.com/DoC.

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Contents

1 Kit Contents **4**

2 Use **4**

2.1 Charging Times for Depleted Packs 4

2.2 Charging ALTAIR Gas Detectors 4

3 Certification **5**

4 Disposal **5**

5 Technical Data **5**

6 Ordering Information **5**

1 Kit Contents

- Charging cradle
- Power supply

2 Use

ALTAIR 4 Charging Station

For use with ALTAIR 4, ALTAIR 4XR Gas Detectors, and the ALTAIR Pump Probe

ALTAIR 5 Charging Station

For use with ALTAIR 5, ALTAIR 5X

2.1 Charging Times for Depleted Packs

- ALTAIR 4/ALTAIR 4XR: 4 hours in normal, room temperature environments.
- ALTAIR 5/ALTAIR 5X (PID/IR): 6 hours in normal, room temperature environments.

Minimum and maximum ambient temperature to charge the device is 10 °C (50 °F) and 35 °C (95 °F), respectively. For best results, charge the device at room temperature 23 °C (73 °F).

2.2 Charging ALTAIR Gas Detectors

⚠ WARNING!

Risk of explosion: Do not recharge device in hazardous area.

Failure to follow this warning can result in serious personal injury or death.

⚠ WARNING!

- Do not use the charger in a hot or wet environment.
- Devices with a temperature below 10 °C (50 °F) or above 35 °C (95 °F) must stabilize for one hour at room temperature before attempting to charge.

Failure to follow these warnings can result in serious personal injury or death.

⚠ WARNING!

The charger must be disconnected for the device to operate.

Failure to follow this warning can result in serious personal injury or death.

NOTE: The charger may become hot while charging. This is not a malfunction.

NOTE: Disconnect the charger from an external power source if not in use.



Insert the gas detector tightly into the charger as shown.

- The battery symbol will scroll through a progressively increasing number of segments.
- The charge LED will be red until 90% of full charge is obtained.
- The battery symbol will remain fully illuminated, and the charge LED will be green while the battery is trickle charged to its full capacity.

NOTE: If a problem is detected during charging, the battery symbol will flash and the charge LED will be orange or yellow. Disconnect the device from the power module and reconnect it to the power module to reset the charge cycle.

The battery pack of gas detectors ALTAIR 5X / 5X IR may be charged separately from the device. During periods of non-use, the charger may remain

3 Certification

Technical Regulation TP TC 020/2011 „Electromagnetic compatibility of technical equipment“, TP TC 004/2011 „On safety of low-voltage equipment“. Authorised representative: MSA Safety, LLC, Pokhodny proezd 14, 125373 Moscow, Russia.

4 Disposal

The charging cradle with power supply cannot be repaired.

The manufacturer sets the shelf life of the product at least 10 years.

Warranty period - 2 years from the date of production, marked on the product.



Recycling of electrical and electronic equipment:

The crossed-out trash can symbol indicates that after the end of life this product should not be thrown away with the normal trash. To prevent harm to the environment and human health from uncontrolled waste disposal, do not throw this product together with normal trash and dispose of it with the responsibility necessary to the use of material resources. For individuals to obtain information about the rules of disposal in their territory local waste management department should be contacted.

5 Technical Data

Input voltage	90 – 264 V AC
Frequency	47 – 63 Hz
Output voltage	6 V DC
Max. output current of the power supply	1.5 A
Output load regulation	±3%
Total output power of the power supply	9 W
Max. safe area charging voltage	Um = 6.7 V DC

Replacing the power supply with a plug-in connection is possible after opening the housing bolts. The charger cannot be serviced or repaired.

6 Ordering Information

Description	Part Number
Charging cradle ALTAIR 4 with power supply (Europe)	10086638
Charging cradle ALTAIR 5 with power supply (Europe)	10093057
Power supply (international)	10092936



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