

MP-30A Syringe pump

Service Manual



Version 3.0 English

麦科田
MEDCAPTAIN

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- All disassembly, replacement, test, modification and repair are conducted by qualified personnel approved by MEDCAPTAIN.
- All replacement parts, supporting accessories and consumables during the maintenance are provided by MEDCAPTAIN;
- Maintenance records for product are reserved.

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Important Information

1 Important Information

1.1 Service personnel

This service manual is intended for qualified service personnel only. Service may only be conducted by personnel who

- Have basic knowledge of electronic circuits and mechanical engineering.
- Have basic knowledge of medical devices and clinical applications thereof.
- Have received proper training on maintenance and servicing of MEDCAPTAIN products and have a certain knowledge of the applicable device principles, structure, performance and operation.
- Have the necessary equipment and instruments available.
- Have written permission of MEDCAPTAIN to conduct servicing.

1.2 The Limitations of the Service Manual

This service manual describes all performance and configurations of the listed device only. Other devices' performance and configurations are not included here. There are differences between the published manual and the actual status of the device, especially when a device has been modified, corresponding maintenance information may be needed. Therefore, this service manual may be used together with some follow-up complementary information.

MEDCAPTAIN will complement the relevant information timely according to the actual situation of the device modification.

Service personnel should also refer to the Operation Manual.

1.3 Device Maintenance and Inspection

- The power supply of this device can reach to 100-240V. Maintenance contrary to the requirements of the service manual may cause electric shock, serious injury or even death.
- Maintenance against the requirements of this service manual may seriously damage the device.
- The service personnel must be trained and have received permission in writing by MEDCAPTAIN to do so.
- The maintenance must be performed under electrostatic discharge (ESD) protective conditions. Do not touch PCBA or semiconductors by hand without any protective measure.
- Do not work on the display by using sharp objects. Sharp objects may damage the display.
- Do not disinfect the infusion pump by using high-pressure steam sterilization.
- Before testing the internal battery operation, check the battery to ensure that sufficient power is available. Recharge, if required.
- Liquid intrusion into the AC power socket, USB or nurse call socket may cause short-circuit. When connecting the power cable, check if the connecting parts are dry. If liquid have spilled

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