

INFUSION PUMP: Volumetric single channel infusion pump, AC and battery powered including accessories.

TECHNICAL SPECIFICATIONS

Automatic calculation of third parameter when user enters other two parameters (volume, time, and flow rate).

Minimum guaranteed flow rate range of 1-1500 mL/hr in either 0.1 or 1 mL/hr increments.

Keep Vein Open (KVO) rate of 1-5 mL/hr.

The accuracy of the flow rate should be 5% or better.

Robust design allow use in demanding environments, resistant against hospital-grade cleaning solutions, fluid proof.

Capable of being mounted on mobile pole/(roll) stand, bed rail and wall-mounted rail.

Open system, compatible with wide range brands of giving sets. Unit is to be calibrated to the characteristics of a specific brand infusion set through DIP switches prior to using the unit.

Designed for frequent and easy dismount and disinfection with hospital-grade products

Built in battery depending on the model either a lithium ion or a lithium metal hydride.

Battery life lasts at least 4 hours at 25mL/hr flow rate.

Automatic switch from mains to battery during power failure.

Auto-off when not in use.

Power requirements: 240 Volts – 50 Hz (110 Volts – 60 Hz available on request, indicate when ordering).

DISPLAY FEATURES.

An integrated display indicating following parameters/information:

- Alarms.
- Pumping status.
- Volume infused.
- Volume limit/Volume To Be Infused (VTBI).

ALARMS AND SAFETY FEATURES

Alarms are audible and visual.

Ability to silence audio alarms for maximum of 2 minutes.

The following alarms are included:

- Air-in-line alarm.
- Down-stream occlusion alarm.
- Open door alarm.
- Infusion complete notification.
- Low/depleted battery alarm.
- Incorrectly loaded set alarm.
- The unit should be protected against uncontrolled gravity flow, a so-called free-flow protection.
- The unit is equipped with a "control lock-out" feature, preventing tampering by patients or visitors with the controls of the unit. (Depending on the supplied model).

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SAFETY & PRODUCT STANDARDS

- IEC 60601-1:2005 + A1:2012(E) Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.
- IEC 60601-1-2:2014 Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic compatibility - Requirements and tests.
- IEC 60601-1-8 Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests, and guidance for alarm systems in medical electrical equipment and medical electrical systems
- IEC 60601-2-24 Medical Electrical Equipment – Part 2-24: Particular requirements for the safety of infusion pumps and controllers.