

# Micropump<sup>TM</sup>

## MP-101

**SETTING  
THE NEW STANDARD  
FOR  
ACCURACY, SAFETY  
AND VERSATILITY**

- *Simple rate setting with an LCD display*
- *Clear identification of alarms detected*
- *Clinician configurable rate range*
- *Double micro processor*
- *Extremely lightweight and portable*



**micrel**  
Medical Devices





# Micropump<sup>TM</sup>

## MP-101

Setting the syringe delivery standard with accuracy, safety and versatility.

The Micrel MP-101 Syringe Driver is a simple and reliable system that provides infusion therapy for a wide range of applications. The Micrel MP-101 Syringe Driver gives health care professionals an effective and efficient infusion system for delivery of small volume medications. The design of the MP-101 helps reduce health care facilities' risk, through simplified programming and operation. This combination of low cost ease of use, along with the convenience of utilizing standard, generic disposable infusion sets, makes the MP-101 Syringe Driver a true value in health care today infusion therapy.



## Features and Benefits:

Economic to operate

Very low running costs

(6 alkaline AAA batteries)

Uses Standard Disposable Syringes

Virtually maintenance Free

Accurate

Has a drive accuracy of  $\pm 2\%$

## Accessories

Each MP101 comes complete with a protective cover, convenient carrying pouch for ambulatory use, operators manual and a set of batteries



Locker box also available on demand

## SPECIFICATIONS

### Versatility and Safety

- Accepts a wide range of syringes sizes.
- Can be comfortably worn with belt or shoulder holster.
- Configurable rate range to reduce medication errors.
- LCD display for clear information on flow rate and the identification of alarms.
- Designed with a dual micro-controller architecture for maximum safety.
- Safe and convenient syringe attachment.
- Rate can be locked to one single value if desired. Rate titration/ lock out during infusion (configurable)
- Prime facility (configurable option)

### Audio and Visual Alarms

- Warning zones for rates set unusually high or low
- End of travel with the option to silence end of infusion.
- Occlusion
- System failure ( with auto-diagnostics)
- Automatic self test
- Low battery
- Depleted battery
- Pump tamper alert
- Failure to start pump alert

### Specifications:

*Infusion period range*  
30 minutes – 63 hours

*Dimensions*  
165 mm x 40mm x 23mm  
(6.5 x 1.5 x .9 inches)

*Battery life*  
2-3 months, or more than  
70 full infusions at intermediate flow rate

IPX4 Splash Proof  
Safe and reliable: Full featured with the most up-to-date safety tests

Federal law (U.S.) restricts the Micropump<sup>TM</sup> MP-101 for use by or on the order of a physician.

*Flow Rate*  
1 to 99mm/hr (1 mm increments)  
(user configurable)

*Weight*  
7 oz / 190g including batteries

*Battery Type*  
6 Alkaline LR03 AAA

*Accuracy*  
Displacement Speed  $\pm 2\%$

CE  
0120

Company ISO 9001/EN 46001 certified by SGS U.K.

**micrel**  
Medical Devices  
[www.micrelmed.com](http://www.micrelmed.com)

4 Ithakis Str., Pallini GR 15351 Athens Greece  
Tel : +30 2106032333 & 4, Fax: +30 2106032335

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