

SLS EconoFlow 83 Portable Syringe Pump



The new Scientific Lab Supply EconoFlow Pump Series, is a line of economical pumps for simple infusions and dosing applications. The pumps are designed to combine high levels of performance together with ease of use and reliable operation. Scientific Lab Supply EconoFlow products offer a complete line of pumps to meet many different applications. Micro-infusion pumps, volumetric infusion pumps, syringe pumps, portable pumps and disposable pumps are available at affordable prices.

SLS EconoFlow 83 is a small, light and completely portable syringe pump. It is designed to deliver small volumes with a linear flow rate of 1 - 99 mm per/hr with $\pm 2\%$ accuracy and can be used in a wide variety of applications. It is cost effective and the most compact and lightest pump in its class.

This portable, user friendly syringe pump offers a new alternative for micro reliable infusions. It can accommodate a wide variety of plastic syringes from 1 ml to 60 ml. Ergonomic, easy to use, horizontal design protects the syringe barrel and allows single-handed loading.

The syringe pump has a Bolus function which allows the user to add $\frac{1}{4}$ of preset fluid by bolus cable, without interruption of current infusion at a minimum of 30 minute intervals. There are two audible and visual alarms, complete occlusion and low battery.

The SLS EconoFlow 83 uses 3 AA batteries. The battery length is 30 days or more than 30 syringes at intermed flow.

It can also operate on DC 4.5V power supply. It comes complete with bolus cable, syringe cover protector, leather case and batteries.

The Scientific Lab Supply offers a family of syringe pumps to meet all applications. The full line of SLS pumps include a simple syringe infuse only pump, a multi-syringe infuse and withdraw pump, push pull pumps, continuous pumps for uninterrupted fluid delivery, nonoliter pumps, emulsifier, high pressure and custom OEM pumps.

Scientific Lab Supply is renowned for its unsurpassed quality. We continue to provide superior quality products to our customers all around the world.

Features

- Easy to use
- Linear flow rate 0.1 – 99 mm/hr
- Typical accuracy $\pm 2.0\%$
- Bolus feature
- Wide range of plastic syringes from 1 - 60 ml
- Audible & visual alarms
- Complete occlusion detection
- Low battery
- Battery operation 30 days
- DC power supply 4.5V
- IPX1 enclosure
- 12 month warranty

Benefits

- Cost effective, durable syringe pump
- Simple set up and operation
- Continuous infuse
- Quick total volume dispense display
- Simple syringe installation
- Cordless design with convenient carrying case
- Weight 0.5 lbs or 180 g

Applications

- Cost effective, durable syringe pump
- Drug dosing
- Nutrient delivery
- Chemical delivery
- Reactor delivery

Markets

- Academic institutions
- Veterinary
- Pharmaceutical
- Biotech
- Government
- Research facilities

SLS EconoFlow 83 Portable Syringe Pump



Specifications

Applicable Syringes	2 ml to 50/60 ml* disposable syringes
Linear Flow Rate	1 mm/hr to 99 mm/hr (linear rate)
Flow Rate Ranges (Converted based on syringe sizes):	
50/60 ml syringes	0.7 up to 65 ml/hr
20 ml syringes	0.35 up to 34 ml/hr
10 ml syringes	0.1 up to 16 ml/hr
5 ml syringes	0.1 up to 11 ml/hr
Accuracy	Less than $\pm 2\%$
Alarms	Audible and Visual Alarms of "COMPLETE / OCCLUSION" and "LOW BATT"
P.C.A. Function (BOLUS)	Easily adding 1/4 of preset dosage by bolus cable without interruption of current infusion. Minimum 30 minutes interval for safety protection
Power Supply	DC 4.5V (3 AA batteries)
Battery Life	30 days or minimum 30 syringes
Dimensions, H x W x D	60 x 166 x 30 mm (2.4 x 6.5 x 1.2 in)
Weight	180 g (0.55 lb) / (240g with 3 AA batteries)
Included Accessories	a) 3 AA batteries b) PCA bolus cable c) Syringe protecting cover x 2 d) Carrying case

Ordering Information

Model	Product
EconoFlow 83	EconoFlow Portable Syringe

This pump comes with 3 AA batteries, PCA bolus cable, syringe protecting cover and a handy carrying case.