

## U-802 Syringe Pump

The Univentor 802 Syringe Pump is a precise, flexible and very reliable pump that will operate any syringe within clamping range. Continuous flow rate from 0,01µl/min-50ml/min.

The Univentor 802 Syringe Pump is designed for fast and easy infusions while maintaining precise, constant and pulse free flow rates from 0.01µl/min to 50mL/min. For your convenience the most common syringes are preprogrammed but any two syringes within clamping range, or one syringe (push) and the Univentor Withdrawal Adaptor (pull), can be operated simultaneously.

A built-in computer enables the unit to be self-calibrating and takes care of all the calculations required to control flow rates and delivered volumes for different sizes and types of syringes. The control panel is self-explanatory with a short operating instruction and is foremost designed to, in every way, be user-friendly. While operating, the settings remain visible and the delivered volume is continuously displayed. The last settings are memorized and stored as default values.

The U-802 Syringe Pump incorporates a built-in RS-232 and TTL logic interface and can be programmed to start, stop, wait, change flow rate and to start/stop external instruments such as the Univentor 820 Microsampler or valves. Our U-802 software provides all these options and keeps a log of executed commands. Should you need both hands



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free a foot pedal is easily connected and operated. The pump has a limit switch to automatically stop the motor when the syringes are empty to protect the syringes and the instrument.

The U-802 is also compatible with the Univentor Micropusher, if you require precise syringe control from a distance, for example when mounted on a stereotaxic instrument.

### Ordering Info

Art.No 8301501	U-802 Syringe Pump
Art.No 8301802	U-802 Operational Software
Art.No 8401205	Withdrawal Adaptor
Art.No 8401420	Foot Pedal
Art.No 2401090	RS-232 Com Cable 15 to 25 pol.
Art.No 2401091	RS-232 Com Cable 15 to 9 pol.

### Specification

Dimensions	27x15x8cm
Weight	2,4kg

- Pulse free DC motor with variable speed setting. Preset speed is controlled via an auto closed loop speed control. 3-3000r/min.
- Fast feed Pusher movement of 70mm/min, forward & backwards.
- 2 Syringes with stroke length 40-90mm and O.D. from 6-32mm i.e. 10µl syringe up to 50ml syringe.
- Minimum pusher travel rate - 0,06mm/min
- Maximum pusher travel rate - 60mm/min
- Max pusher force 300 N
- Display with 2x20 characters