

## U-864 Syringe Pump

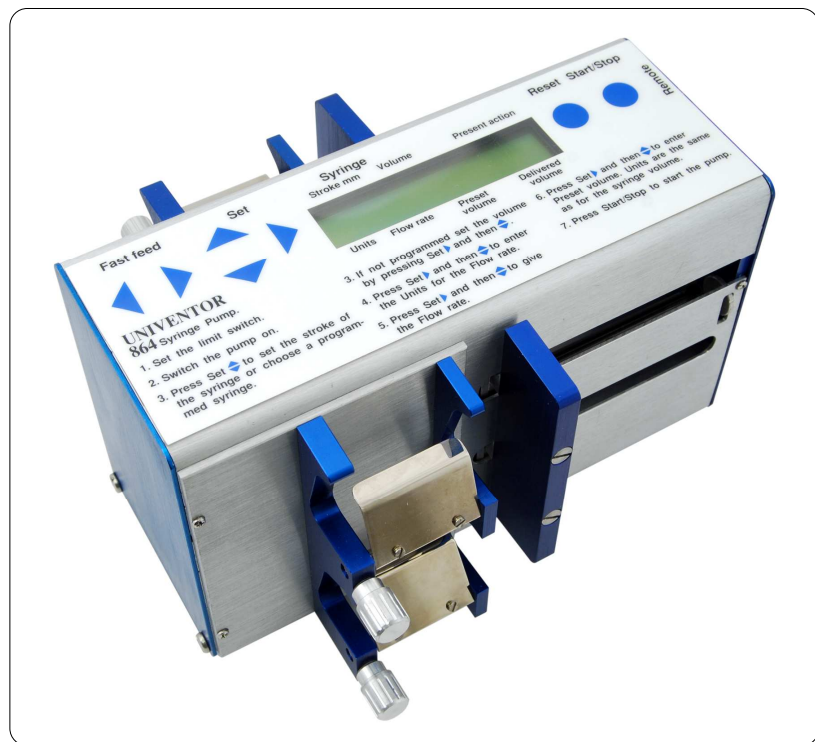
*-The only pump you need in your lab*

The Univentor 864 Syringe Pump is a high precision instrument designed for microdialysis, microinjections and infusions, 0,001 $\mu$ l-5ml/min

The Univentor 864 syringe pump offers a wide range of possibilities. The U-864 comes with a unique computer controlled pulse-free DC motor that ranges from 3-3000 rpm providing an extremely high precision from flow rates as low as 0.001 $\mu$ l /min up to 5 mL/min.

The most common syringes are pre-programmed but any syringe within clamping range may be used. There are three interchangeable syringe holders available so that either 4 syringes up to 50mL, 6 syringes up to 10mL or 8 syringes up to 2.5mL can be used simultaneously. Fitted with syringe holders for a total of 4 syringes the Univentor Withdrawal Adaptor can be used to enable withdrawals as well as simultaneous infusions and withdrawals.

The built-in computer makes the U-864 self-calibrating and takes care of all the calculations needed to keep control of flow rates and delivered volumes for different sizes and types of syringes. The control panel is self-explanatory and user-friendly with a short operating instruction. During operations the settings remain visible and the delivered volume is continuously displayed. The last settings are stored as default values. RS-232 and TTL logic interface is incorporated and the U-864 can be programmed to start, stop, wait, change flow rate and



U-864 Syring Pump with the 4 syringe fittings

to start/stop external instruments such as the U-820 Microsampler or valves. 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-864 Software makes settings easy and provides a log of the executed commands.

### Specification

Dimensions 27x15x8cm  
Weight 3kg

- Pulse free DC motor with variable speed setting
- Fast feed Pusher movement of 70mm/min forward/backwards
- 1-8 Syringes with stroke length from 40-90mm and O.D. 6-32mm
- Preset volume 1/1000 of syringe volume
- Min pusher travel rate 0,006mm/min
- Max pusher travel rate 6mm/min
- Max. pusher force 200N
- Pusher accuracy of +/- 0,01mm or +/- 1% of total distance

### Ordering Info

Art.No 8301001	U-864 Syringe Pump, 4 Syringes (up to 50 ml)
Art.No 8301002	U-864 Syringe Pump, 6 Syringes (up to 10 ml)
Art.No 8301003	U-864 Syringe Pump, 8 Syringes (up to 2,5 ml)
Art.No 8301864	U-864 Software
Art.No 2401090	RS-232 Com Cable 15 to 25 pol.
Art.No 2401091	RS-232 Com Cable 15 to 9 pol.