

## Hei-FLOW Precision 01

P/N: 036150090



### Reproducibility - pumping and dosing

- Flow rates of 0.38 - 813 ml/min with single-channel pump heads
- Multi-channel flow rates from 0.005 - 364 ml/min
- This pump drive is suitable for multi-channel operation
- Low speed range from 5 - 120 rpm
- Control speed (rpm), direction and On/Off function via analog interface for 0 – 10 V or 4 – 20 mA or digital RS 232 interface
- Flow characteristic of pump heads in combination with various tubing diameters is pre-programmed for accurate flow rate numbers
- Digital read-out of:
  - Speed (rpm)
  - Tubing diameter
  - Flow rate in ml/min
  - Dosing volume
  - Interval dosing
  - Pause function

- Easily change all process parameters via control buttons
- These models connect to an optional foot-pedal remote control via cable to start and stop your pump drive outside a closed fume hood increasing your personal safety and superior ease of use in multiple sample fills
- These models feature electronic speed control at an accuracy of  $\pm 1\%$
- A press of the max button accelerates the filling and draining of your tube
- At the press of a button the pump operates clockwise or counter-clockwise
- Calibrate your flow volume and flow rate individually

## Hei-FLOW Precision 01 - Technical Data

Permissible ambient conditions	5 - 31 °C at 80% rel. humidity 32 - 40 °C decreasing linearly up to max. 50% rel. humidity
Weight	7.7 kg
Protection class DIN EN 60529	IP 55
Supply Power	100 W
Dimensions (w/d/h)	166 x 256 x 225 mm
Flow rates single-channel pumps	0.38 – 813 ml/min
Flow rates multi-channel pumps	0.005 – 364 ml/min
Flow rate accuracy (water without counter pressure)	±1 %
Speed range	5 - 120 rpm
Speed setting	digital
Electronic speed control	digital
Control accuracy motor	±0.5 %
Select direction of rotation	CW / CCW
Motor power	100 W
Analog interface	for speed 0 - 10 V / 4 - 20 mA direction of rotation start/stop
Digital Interface	RS 232
Flow rate indicator	digital
Volume dosing	0.001 – 9,999 ml
Interval dosing	0.001 – 9,999 ml in breaks 0.1 sec -750 h
Smooth start	1
Electronic brake	1
Foot-pedal connection	1
Continuous operation (24/7)	1
Safety feature	electronic current limiter and overheat protection

