



# IPS-12S Syringe Pump

Single Channel Infusion Pump with Recipe Memory

The IPS-12S allows users to store up to 5 custom recipes and perform up to 50 repeat cycles automatically. This makes it ideal for repetitive or automated processes. Compact, reliable and efficient for small-scale production or testing setups.

SYRINGES	
CAPACITY	1
TYPE	Glass, plastic, steel
MIN SIZE	Hamilton 0.5 µl (ID:0.103mm)
MAX SIZE	Monoject 140 ml (ID:38mm)
FLOW RATE	
MIN	17.89 µl/min (Hamilton 0.5 µl)
MAX	121.51 ml/min (140 ml Monoject Syringe)
ACCURACY	< 3%
REPRODUCIBILITY	< 3%
MOTOR SPECIFICATIONS	
MOTOR TYPE	Stepper Motor
MOTOR DRIVE CONTROLLER	Microcontroller with Microstep Drive
STEP RESOLUTION (TRAVEL/MICROSTEP)	357 nm/µstep
MIN STEP RATE	10 sec/µstep
MAX STEP RATE	200 µsec/µstep
MIN LINEAR SPEED	2.14 µm/min
MAX LINEAR SPEED	107.14 mm/min
LINEAR FORCE	20 kg (44 lbs)
GENERAL SPECIFICATIONS	
RECIPE SAVE-RECALL	Yes
POWER SUPPLY	12 VDC 1A (110-240 VAC adapter included)
DIMENSIONS	W:200 L:170 H:137 mm
WEIGHT	2.1 kg (4.6 lbs)
OPERATING CONDITIONS	
OPERATING TEMPERATURE	-10 to 50 °C
STORAGE TEMPERATURE	-30 to 85 °C
OPERATING HUMIDITY	RH 10% - RH 90% (non-condensed)
STORAGE HUMIDITY	RH 10% - RH 90% (non-condensed)

- **4.3" touchscreen with easy recipe setup**
- **Stores up to 5 recipes and runs up to 50 repeat cycles**
- **Ideal for automated and repetitive operations**