



IPS-13S Syringe Pump

Simultaneous Dual Channel Infusion Pump with Recipe Memory

The IPS-13S includes recipe memory for up to 5 stored programs and 50 repeat cycles. Its simultaneous dual-channel system offers synchronized and repeatable operation. Designed for efficient process automation and workflow consistency.

- 4.3" touchscreen with built-in recipe memory
- Stores 5 recipes, supports 50 repeat cycles
- Automated simultaneous dual-channel operation

SYRINGES

CAPACITY	2 Interdependent
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 pl/min (Hamilton 0.5 µl)
MAX	121,51 ml/min (140 ml Monoject Syringe)
ACCURACY	< 1%
REPRODUCIBILITY	< 1%

MOTOR SPESIFICATIONS

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 µm/min
LINEAR FORCE	20 kg (each syringe:15 kg)

GENERAL SPESIFICATIONS

RECIPE SAVE-RECALL	Yes
POWER SUPPLY	12 VDC 1A (110-240 VAC adapter included)
DIMENSIONS	W:200 L:250 H:143 mm
WEIGHT	2.9 kg

OPERATING CONDITIONS

OPERATING TEMPERATURE	Between -10 and 50 (°C)
STORAGE TEMPERATURE	Between -30 and 85 (°C)
OPERATING HUMIDITY	RH 10% - RH 90% (not condensed)
STORAGE HUMIDITY	RH 10% - RH 90% (not condensed)