



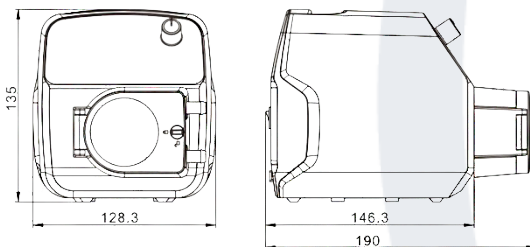
Product Introduction

- ABS engineering plastic housing, anti-corrosion, anti-static.
- OLED screen display motor speed, digital knob control speed.
- Compact design, various external control.
- Easy to observe the pump head and tubing working situation.

Product Features

- Low power consumption, mute working.
- Stable flow rate and suitable for continuous dosing applications.
- Easy to replace long life PharMed tubing.
- Digital knob control speed, memory back up, user setting saved if power lost.

Dimension Drawing (Unit: mm)



Color selection



HF-Minipump



HF-UD15

Technical Specifications

Flow rate range	0,0024-930 ml/min	Communication interface	USB connector, RS485 interface
Speed range	HF-LabS3/UD15 0,1-350 reversible	External control	(Protocolo MODBUS, modo RTU)
	HF-LabS3/Minipump 0,1-300 reversible		Start/stop direction control (switch signal)
Speed resolution	0,1 rpm	Power supply	0-5V, 4.20mA (standard), 0-10V (optional)
	Digital knob	Dimension	DC24V/1A with power adapter
Speed resolutionI	Mechanical keypad	Weight	190x128,3x135 mm (LxWxH)
Keypad lifetime	300,000 times	Condition temperature	800 g
Display	0.96" OLED display"	Relative humidity	0-40°C
IP rate	IP31		<80 %

- Product Composition and Flow rate Range

Model	Pump Head	Speed (rpm)	Tubing Size	Flow Rate Range (ml/min)
HF-LabS3	HF-UD15	0,1-350	16#, 17#, 25#	0,08-930
	HF-Minipump 01	0,1-300	1x1, 2x1, 2.5x1, 3x1	0,0024-190
	HF-Minipump02		13#, 14#, 19#, 16#, 25#	0,005-108,39