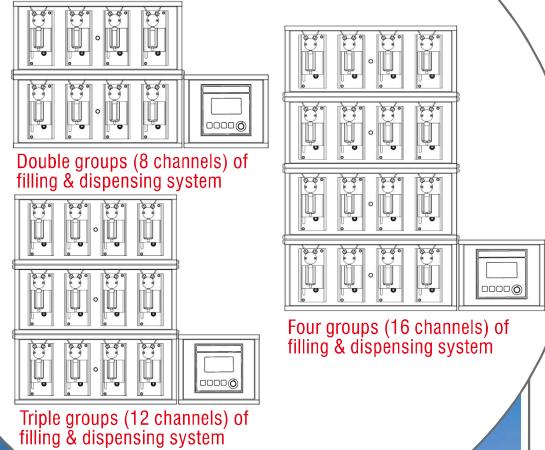


# Dispensing & Filling System - Syringe Pump

## HMD04-1

Mainly used in filling & dispensing machine. With high accuracy, suitable for small volume dispensing.

Each unit has four channels. With modular structure, one controller can control up to four units.



Product Code: 05.11.10A



Accuracy	≤ 1% (dispensing volume is the 100% of syringe capacity)
Precision	Repeatability ≤ 0.5% (dispensing volume is the 100% of syringe capacity) Repeatability ≤ 2% (dispensing volume is more than 20% of syringe capacity)
Dispensing volume	100μL-5mL (dispensing volume is the 20%-100% of syringe capacity)
Speed	8.3μL/s to 2.5mL/s
Dispensing & filling time	Automatically calculate the time based on volume and speed
Pause time of dispensing	0 to 3600s
Copy number	1 to 30000, "0" means unlimited cycle
Calibration	Each channel dispensing volume is calibrated separately
Number of pretreatment, back flow, rinse	1 to 100
Syringe	500μL, 1mL, 2.5mL, 5mL, full stroke is 30mm
Wetted material	Borosilicate glass, PTFE, PCTFE
Max. pressure	0.68Mpa
Tubing fitting	1/4"-28 thread
Syringe fitting	1/4"-28 thread
Control mode	Control panel or external control
Dispensing start signal input	TTL signal, high level to trigger (all channels are controlled synchronously)
Rinse signal input	TTL signal, high level to trigger (all channels are controlled synchronously)
No bottle signal input	TTL signal, low level to trigger (each channel is controlled separately)
Dimensions (L×W×H)	600mm×256mm×170mm (Controller and drive unit)
Power supply	AC 90V-260V/60W
Operating temperature	15 to 40°C
Relative humidity	< 80%
IP rating	IP31, Stainless steel housing
Weight	10kg (Controller + one unit)