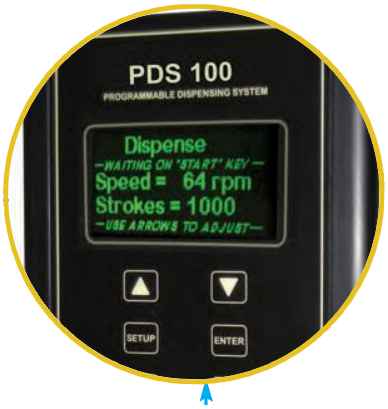
Programmable Dispensing "PDS100"

Valveless, Programmable, Dispensing & Metering System

The PDS100 uses precision stepper motors to control a variety FMI's patented valveless piston pumps.

- All models feature FMI's Patented CeramPump® No-Valve Fluid Control Technology.
- Pump heads are integrally mounted to control unit, which includes precision stepper motors, drivers and programmable electronics housed in a rugged, anodized, aluminum enclosure.
- Intuitive menu-driven programming uses front panel membrane switches with 2.75" x 1.5" LCD display.
- Available in single and dual pump head configurations in all FMI pump head sizes.
- Dual pump head configurations can be programmed for independent pump control.
- Universal Power Input accepts 100-240 VAC 50/60 Hz.

Selectable RS485 4-20 mA, 0-5 VDC, & 0-10 VDC input for automatic control.



LCD Menu Display

PDS100

Dimensions:
7 1/4" x 5 1/8" x 6 1/4" wide
182 mm x 128 x 159 mm

Electrical:
RS485, 4-20mA, 0-10V, 0-5V interface for connection to process sensors, PLC and PC controllers

Shipping weight :
7.5 lb. (3.41 kg)

	Displacement per Rev.		Flow per Minute		
Piston Size Code	Minimum	Maximum	Minimum[1]	Maximum[2]	Pressure (psig) Maximum
RH00	1.25 µl	0.025 ml	7.5 µl	18.75 ml	100
RH0	2.5 µl	0.05 ml	15 µl	37.5 ml	100
Q0	4.0 µl	0.08 ml	24 µl	48 ml	40
RH1	5.0 µl	0.1 ml	30 µl	75 ml	100
Q1	16.00 µl	0.32 ml	96 µl	192 ml	40
Q2	36.00 µl	0.72 ml	216 µl	432 ml	20
Q3	64.00 µl	1.28 ml	384 µl	768 ml	10

1) Minimum Flow Rates for RH and Q Pump Heads calculated at 6 RPM.
2) Maximum Flow Rates for RH Pump Heads calculated at 750 RPM.
Maximum Flow Rates for Q Pump Heads calculated at 600 RPM.

Note: All dispense and Flow Rates based on single pump head.

Have questions?
Chat live with an FMI application specialist at
www.fmipump.com