

## Programmable Syringe Pump

Protea's Programmable Single Syringe Pump is a versatile syringe pump platform that enables the investigator to perform simple infusions or implement a complex automated dispensing system. The Programmable Single Syringe Pump has dual function infusion or withdrawal operations, and it can be used with a wide variety of syringes from 0.5  $\mu$ L to 60 mL capacity. The PM-1000 can be programmed by either the easy-to-use keypad interface or by computer control through the RS-232 interface.



### FEATURES:

- Fully programmable with up to 41 pumping phases
- Automation capable
- Dual function Infusion or withdrawal operation
- Dispensing accuracy of  $\pm 1\%$
- Easy-to-use keypad interface
- Operates stand-alone or from a computer
- Worldwide power supplies available
- Small footprint of 5  $\frac{3}{4}$ " x 8  $\frac{3}{4}$ "

### RESEARCH APPLICATIONS:

- Continuous reagent infusion experiments
- Microfluidics
- Surface coating applications requiring constant flow supply
- Direct infusion electrospray ionization mass spectrometry

### SPECIFICATIONS:

- Syringe sizes supported: 0.5  $\mu$ L to 60 mL
- Flow rates: 0.73  $\mu$ L/hr (1 mL syringe) to 2100 mL/hr (60 mL syringe)
- Dispensing accuracy:  $\pm 1\%$
- Footprint: 5  $\frac{3}{4}$ " x 8  $\frac{3}{4}$ "

### ORDERING INFORMATION:

#### Programmable Single Syringe Pump

Catalog Number	Size
PM-1000	1 pump

#### Syringe

500 $\mu$ L syringe with Luer-Lok

Catalog Number	Size
PM-310	1