

# OEM MODULE - Data Sheet



The Chemyx OEM syringe pump is a bolt-on microfluidic pump designed for integration into analytical instruments requiring precision flow functionality with a removable syringe.

## TECHNICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>MODE</b>                   | Infuse/Withdraw   |
| <b>MINIMUM FLOW RATE</b>      | 0.001 $\mu\text{L}/\text{min}$ (with 0.5 $\mu\text{L}$ syringe) |
| <b>MAXIMUM FLOW RATE</b>      | 60 mL/min (with 60mL syringe)                                   |
| <b>LINEAR FORCE</b>           | 30lb (14kg)   |
| <b>SYRINGE SIZE (MIN/MAX)</b> | 0.5 $\mu\text{L}$ to 60mL                                       |
| <b>STEP RESOLUTION</b>        | 0.098 $\mu\text{m}/\text{step}$                                 |
| <b>OPERATION TEMPERATURE</b>  | 4°C to 40°C (40°F to 104°F)                                     |
| <b>STORAGE TEMPERATURE</b>    | -10°C to 70°C (14°F to 158°F)                                   |
| <b>ACCURACY</b>               | $\pm <0.35\%$   |
| <b>REPRODUCIBILITY</b>        | $\pm <0.05\%$   |
| <b>CONNECTIVITY</b>           | USB-B, RS232 and TTL Ports                                      |
| <b>POWER</b>                  | 110/220 VAC   |

## SELECT APPLICATIONS

- Stereotaxic Infusion
- Animal Infusion
- Neuroscience
- Radioactive Material Handling
- Electrospinning
- Reagent Dispensing
- Microdialysis
- Stem Cell injections
- Reactor Feeding

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