

ML560 Series Dispenser

One Pump, Unlimited Possibilities

- Unsurpassed accuracy and precision
- Configurable for dispensing, diluting and general liquid handling
- Software control provides increased functionality



Current ML500 Applications

The ML560 can perform all of the functions of the original ML510, ML530, ML540 and LASI (Lab Animal Studies Injector) dispensers. A short list of the applications include aliquot dispensing, serial dispensing, titrations, pipetting and dilutions. The software can export a log file to simplify compliance with EPA, FDA (GMP, GLP) and ISO regulations.

Expanded Capabilities

New valving accommodates selection of up to 7 unique solvents, continuous dispensing without waiting for the syringe refill and automation of common laboratory tasks. Sending and receiving start signals with the TTL port makes it possible to integrate the ML560 with third party devices.

Custom Fluid Path

Select from over 10 different flow paths or add an MVP (modular valve positioner) to extend the ML560's options even further. The control software is capable of daisy chaining up to 16 instruments to accomplish virtually any liquid handling task. Visit www.hamiltoncompany.com to browse the available valve options.

Improved Resolution

The ML560 is based on the same trusted syringe pump technology as the previous ML500 units. The software control improves the resolution from 0.1% to 0.05% of the syringe volume. The software eliminates restrictions on method storage by using the computer's hard drive instead of on-board memory.



Specifications for the MICROLAB 560 Dispenser

| | |
|-------------------------|---|
| Accuracy | Within $\pm 1\%$ |
| Precision | Within $\pm 0.2\%$ |
| Resolution | 0.05% of syringe volume |
| Volume Increment | 0.05% to 100% of the total syringe volume |
| Speed | 1 to 250 seconds per full stroke |
| Syringe Drive Mechanism | Stepper motor driven high precision lead screw with encoder |
| Power Requirements | 100-240VAC; 50-60Hz |
| Power Rating | 80 VA |
| Program Memory | Unlimited Method Storage |
| Communication Interface | Computer Controlled, RS232 |
| Baud Rate | 1,200 - 38,400 selectable |
| Weight | 10 lb 6 oz (4.7 Kg) |
| Height | 11 in. (27.9 cm) |
| Width | 6 in. (15.3 cm) |
| Depth | 7 in. (17.78 cm) |
| Fluid Path | CTFE, PTFE and Borosilicate Glass |
| Shipping Weight | 20 lb (9.07 Kg) |
| Certifications | CE, CSA, TUV/GS |

All MICROLAB 500 Dispensers are shipped from the factory fully tested, traceable to N.I.S.T. standards and are available in 115V and 220V.

Ordering Information

To order an ML560, purchase the basic pump ML560115 or ML560220, a valve and probe package (DISPKG and or DILPKG), and the appropriate syringes found at www.hamiltoncompany.com. The valves and probes can also be purchased separately on the web or by calling 1(888) 555-2123.

ML560 Dispenser and Diluter Accessory Packages Include:

| Description | ML560 Pump Part # | Dispenser Valve & Probe Package Part # | Diluter Valve & Probe Package Part # |
|-----------------------------|---------------------------------|--|--|
| | ML560115 or ML560220 | DISPKG | DILPKG |
| Drive Unit | 52627-01 | N/A | N/A |
| Controller Software | 53759-01 (PC not included) | N/A | N/A |
| Communication Cable | 35824 | N/A | N/A |
| Concorde Hand Probe | N/A | N/A | 35529 |
| Dual Push-Button Hand Probe | N/A | 35767 | N/A |
| Tubing Kit | N/A | 35887 (2 pcs) | 35887 |
| Dispenser valve | N/A | 53172-01 | N/A |
| Diluter Valve | N/A | N/A | 53175-01 |
| Small Parts Kit | 35888 | N/A | N/A |
| User's Manual | 69176 | N/A | N/A |
| Power Cord | 3892-05 (115V) or 355010 (220V) | N/A | N/A |



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