

Cole-Parmer Modular Touch-Screen Dispensing Pump

A versatile dispensing pump with an intuitive touch-screen interface for programming and control

NEW

- Flow range: 0.001 to 1500 mL/min with Masterflex® L/S® pump tubing
- Program options include constant flow rate, stepped flow, ramped flow, and pulsed flow
- Pump or dispense by volume or time
- Advanced options include program linkage, step repeat, go-to step statements, and program alarms
- Store and transfer programs to a PC or from pump to pump
- Controller is preprogrammed with flow ranges for all accepted tubing sizes

MORE info!

Use Masterflex® pump tubing to ensure accuracy and optimal performance. Order separately on pages 1253-1259.



07582-00

These versatile dispensing pumps are feature-rich and easy to program with the intuitive touch-screen interface. Quickly set up single- or multiple-step programs depending on the requirements of your application. The controller will store up to 50 programs with up to 20 steps each; programs are easily recalled for later use. Programs can also be transferred and stored on a PC for retrieval and validation of experimental protocols.

The included Masterflex Easy-Load® II pump head with automatic tubing retention makes tubing changes quick and easy. Pump controller is preprogrammed with maximum and minimum flow rates for all accepted tubing sizes. Tubing calibration function ensures flow accuracy and allows user to select calibration volume based on volume being dispensed.

Additional features include screen lockout to prevent inadvertent program changes, forward and reverse prime to rapidly fill or purge tubing, and user selectable restart function in the event of power outage. Controller and drive are housed in durable painted steel.

External connections on the back of the controller include phono jack connector for optional foot switch, RS-485 connections for daisy-chaining pumps, USB port for connection to a PC, and a DB15 I/O connector for direct control of the pump. The PC interface allows program transfer to/from the PC, and pump control through simple ASCII commands. When pumps are daisy-chained, programs can be transferred from pump to pump to ensure process or experimental consistency.

What's included: Easy-Load II pump head, power adapter with 6-ft (1.8-m) line cord with IEC 320/CEE22 socket. These models are shipped with country-specific plug/cord set; please specify ultimate destination when ordering.



Run screen displays all operational parameters so you can confirm operation and program settings at a glance.



Set up single- or multi-step programs using the intuitive touch-screen.

Specifications & Ordering Information

Accuracy: ±1%

Input/output: RS-485, USB Type B, DB15, mini phono jack

Motor: 1.8° stepper

Motor input power: 30 V, 1.67 A

Dimensions (W x H x D)

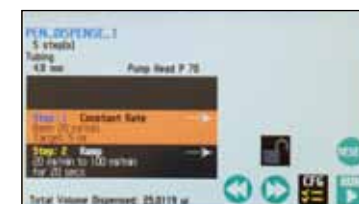
Drive: 4 5/8" x 6" x 10" (11.1 x 15.2 x 25.4 cm)

Controller: 9" x 3" x 7 3/4" (22.9 x 7.6 x 19.7 cm)



Catalog number	Flow range (mL/min)	Pump head(s) included	Tubing sizes accepted	Drive speed rating (rpm)	Drive IP	Power	Price
TW-07582-00	0.001 to 1500	One L/S Easy-Load® II 77200-60	L/S 13, L/S 14, L/S 16, L/S 25, L/S 17, L/S 18				
TW-07582-10	0.001 to 1250 per channel	Two L/S Easy-Load® II 77200-60	L/S 13, L/S 14, L/S 16, L/S 25, L/S 17, L/S 18	0.02 to 375	IP33	100 to 240 VAC	
TW-07582-20	0.001 to 500 per channel	One L/S Easy-Load® II dual-channel 77202-60	L/S 13, L/S 14, L/S 16, L/S 25				

TW-74906-92 Foot switch for remote start/stop control



Current step is highlighted during program operation.