

L/S Digital Dispensing Pump Drives and Systems

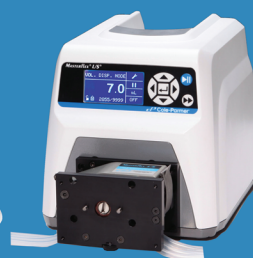
DESCRIPTION	CAT. NO.
L/S Standard Digital Drive 0.1 to 600 rpm	07522-20
L/S Standard Digital Drive 0.02 to 100 rpm	07522-30
L/S Computer Compatible Digital Drive 0.1 to 600 rpm	07551-20
L/S Computer Compatible Digital Drive 0.02 to 100 rpm	07551-30
To designate a bundled system with Drive and Pump Head:	
L/S Eight-Channel/Four Roller Cartridge Pump System	77919-25
L/S Four-Channel/Eight-Roller Cartridge Pump System	77919-35
L/S Digital Pump System with Easy-Load® 3 Pump Head	77921-65
L/S Digital Pump System with Easy-Load® II Pump Head	77921-75
L/S Four-Channel Digital Dispensing Pump System	77921-85
L/S Computer Compatible Pump System with EASY-LOAD® 3 Pump Head	77924-55
L/S Computer Compatible Pump System with EASY-LOAD® II Pump Head	77924-65



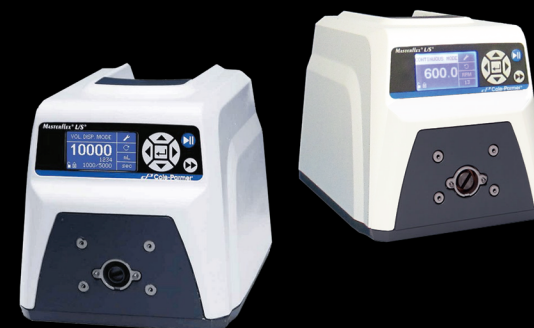
**L/S Digital Pump System
with EASY-LOAD 3
Pump Head
77921-65**



**L/S Digital Pump System
with EASY-LOAD II
Pump Head
77921-75**



**L/S Four-Channel
Digital Dispensing
Pump System
77921-85**



MASTERFLEX® L/S® Digital Dispensing Pump Drives

Quick Start Guide



(US & Canada only) Toll Free 1-800-MASTERFLEX • 1-800-637-3739
(Outside US & Canada) 1-847-549-7600 • 1-847-381-7050
E-mail: techinfo@coleparmer.com
www.masterflex.com • www.coleparmer.com

A-1299-1126B
Edition 02



SAFETY
PRECAUTIONS

⚠ DANGER: Remove power from the pump before any cleaning operation is started.

⚠ WARNINGS: Remove power from the pump before attempting any maintenance.

The Power switch on the Back Panel is not the main disconnect. A contactor or other device that routinely disconnects and reapplies the AC line to the drive to start and stop the motor can cause drive hardware damage. The drive is designed to use control input signals that will start and stop the motor.

⚠ WARNINGS: Tubing breakage may result in fluid being sprayed from pump. Use appropriate measures to protect operator and equipment.

Turn Pump System off before removing or installing tubing. Fingers or loose clothing could get caught in drive mechanism.

⚠ CAUTIONS: Replace the fuse only with one of the same type and rating. The fuse type and rating are stated on the rear panel.

Power must be turned off before connecting the external remote control cable to prevent damage to the drive.

⚠ CAUTIONS: To avoid electrical shock, the power cord protective grounding conductor must be connected to ground. Not for operation in wet locations as defined by EN61010-1.

If the product is not used in a manner specified in the instructions, the protection provided by the equipment may be impaired.

Explanation of
Symbols

⚠ CAUTION: Risk of Danger. Consult Operator's manual for nature of hazard and corrective actions.

⚠ CAUTION: Risk of crushing. Keep fingers away from rotor while pump is in operation. Stop pump before loading or unloading tubing.

⚠ CAUTION: Risk of electric shock. Consult Operator's manual for nature of hazard and corrective actions.

WARNING:
Product Use
Limitation

⚠ This product is not designed for, nor intended for use in patient connected applications; including, but not limited to, medical and dental use, and accordingly has not been submitted for FDA approval.

This product is not designed for, nor intended for use in hazardous duty areas as defined by ATEX or the NEC (National Electrical Code); including but not limited to use with flammable liquids.

Replacement Cord/Plug Sets Ordering Information

Catalog number	Description	Catalog number	Description	Catalog number	Description
50001-60	Australia	50001-69	Israel	50001-76	Italy
50001-62	Denmark	50001-70	Europe	50001-78	U.S. 230V
50001-64	India	50001-72	England		
50001-68	U.S. STD. 115V	50001-74	Switzerland	—	—



07522-20, 07551-20 0.1-600 rpm
07522-30, 07551-30 0.02-100 rpm

+0C, +32F +40C, +104F

70 dba @ 1M

07522-20, -30
07551-20, -30

07522-20, -30
07551-20, -30
13 lbs (5.9 kg)

-25C, -13F +65C, +149F

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CONTINUOUS MODE
SETUP
FLOW UNITS
TUBING SIZE
FLOW RATE
TUBING CAL
PUMP DIRECTION

FLOW RATE
CAUDAL
DÉBIT
DURCHFLOUSSRATE
INDICE DI FLUSSO
流量
流量

FLOW RATE mL/min
36.00
EXIT



CONTINUOUS MODE
SETUP
FLOW UNITS
TUBING SIZE
FLOW RATE
TUBING CAL
PUMP DIRECTION

TUBING CAL
CAL DE TUBERÍA
ÉTALON. TUYAU
ROHRLEITUNGSKAL
TARATURA TUBI
管路校准
配管校正

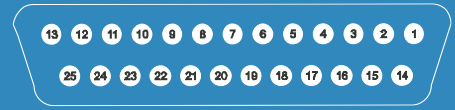
TUBING CAL START
6.000 mL
36.00 mL/min
EXIT CLEAR 13



ANTI-DRIP
ON
OFF
EXIT

ANTI-DRIP
SIN GOTEIO
ANTI-GOUTTES
KEIN TROEN
ANTISGOCCIOLO
液ダレなし
防漏

ANTI-DRIP
45 °
EXIT



Pin No. DB-25

Pin No. DB-25	Description
1	Speed Control Voltage Input (0-10 V)
2	Speed Control Current Input (0-20 mA)
3	Speed Control Input Ground Return
4	Speed Signal Current Output (0-20 mA)
5	Speed Signal Output Ground Reference
6	(Motor Running N.O. Default) 1A @24V (Open Collector)
7	Motor Running Ground Return
8	(Motor Running N.C. Default) 1A @24V (Open Collector)
14	Speed Signal Voltage Output (0-10 V)
15	Remote Start/Stop Input
16	Remote CW/CCW Input
17	Remote Start/Stop, CW/CCW, Prime Grnd Ref.
18	Tach Ground Reference
19	Tach Output (Open Collector)
20	Remote Prime Input
23	General Alarm Output
24	Local/Remote Indicator
9-12	Reserved - Not Used
21-22	Reserved - Not Used
25	Aux 24V+
13	Aux 24V-

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VOL. DISP. MODE	5.3	VOL DISP. MODE VOLUMEN DISP. DISTR. VOLUME MENG.FÖRD.MOD. MOD DIST VOLUME 定量輸注模式 分量給液モード
0001/∞	OFF	



TIME DISP. MODE	00:00:10	TIME DISP. MODE TEMPORIZAR DISP. DISTR. PROGRAM. ZEITFÖRD.MOD. MOD DIST TEMPO 定时輸注模式 定時給液モード
0001/∞	OFF	



COPY DISP. MODE	5.3	COPY DISP. MODE DUPLICAR DISP. DISTR. REPETEE WH.FÖRD.MOD. MOD DIST COPIA 拷贝輸注模式 コピー給液モード
0001/∞	OFF	

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CONTINUOUS MODE	36.00	SETUP MONTAJE INSTALLATION SETUP IMPOSTAZIONE 設置 セットアップ
0001/∞	13	

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CONTINUOUS MODE SETUP	FLOW UNITS UNIDADES DE FLUJO UNITÉS DE DÉBIT DURCHFUSSEINHEIT UNITÀ DI FLUSSO 流量単位 フロー単位	FLOW UNITS mL/min mL/hr L/min L/hr L/day
FLOW UNITS TUBING SIZE FLOW RATE TUBING CAL PUMP DIRECTION		



CONTINUOUS MODE SETUP	TUBING SIZE TAMAÑO DEL TUBO TAILLE DU TUYAU ROHRLEITUNGSGR. DIMENSIONE TUBI 管路尺寸 管サイズ	TUBING SIZE MAX. FLOW RATE SIZE FLOW RATE mL/min
FLOW UNITS TUBING SIZE FLOW RATE TUBING CAL PUMP DIRECTION		14 36 15 130 15 1000

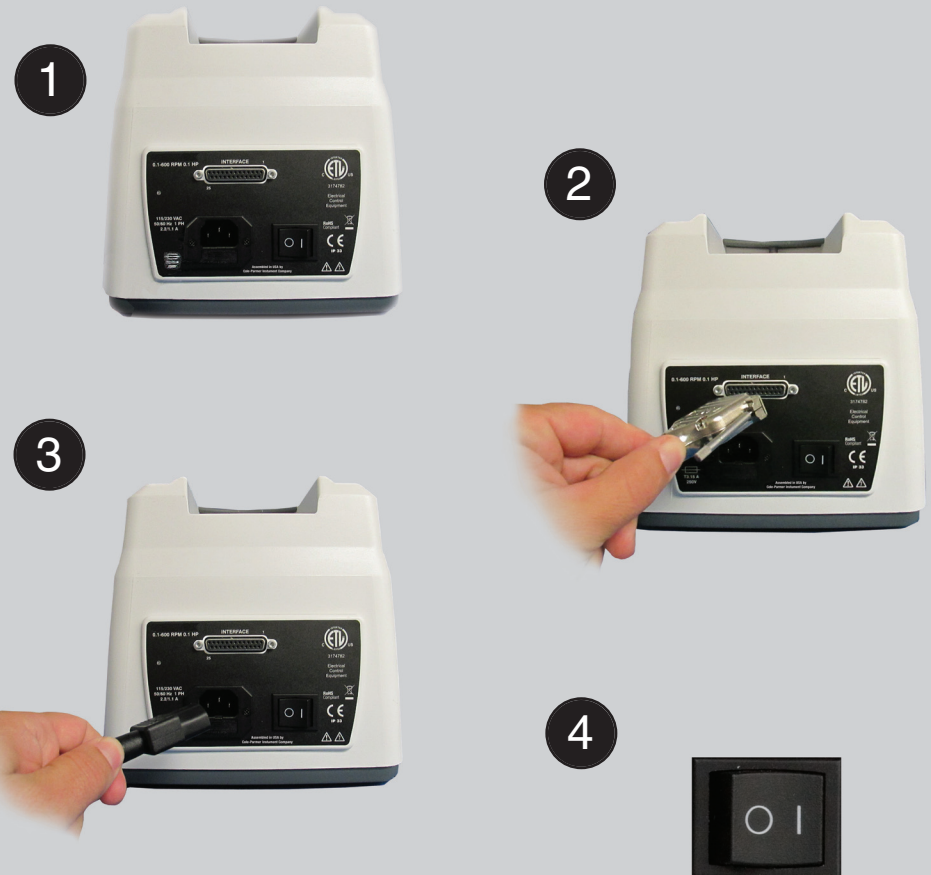
Product Accessories

For 07522- and 07551-series drives

- 07523-92** Footswitch w/DB-25 male connector
- 07523-94** DB-25 male connector for remote control (connector only)
- 07523-95** Cable assembly, DB-25 male connector and 25-ft (7.9m) cable w/stripped wire ends
- 07523-97** Dispensing wand DB-25 male connector

For 07551-series drives only

- 22050-54** Interface Cable DB9M/DB9F
- 22050-60** Cable USB Type A/Type B M/M



Graphic Interface Keypad Legend

