



MASTERFLEX[®]

L/S[®] DIGITAL DRIVES

ALL-NEW GRAPHICAL INTERFACE AND A MAINTENANCE-FREE HIGH-ACCURACY MOTOR



- Wider speed range delivers flows from 0.001 to 3400 mL/min with L/S pump tubing
- Graphical LCD shows all operating parameters—ideal for critical process monitoring
- Brushless, maintenance-free motor offers $\pm 0.1\%$ speed control accuracy with a 6000 to 1 turndown
- Menu-driven interface lets you select one of seven languages for programming and operation
- Cumulative volume function tracks total volume pumped or dispensed
- Scalable remote control of speed, direction, and start/stop enable process automation and integration

Applications

Dispensing and filling

Fluid metering, feed, and transfer

Acid/base pH control

Precision additive, flavoring, and colorant delivery

Sterile filtration and fluid transfer

Automated fluid transfer

Food/beverage and dairy process

 **Cole-Parmer[®]**
Delivering Solutions You Trust



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FREE TECHNICAL APPLICATIONS ASSISTANCE!

These L/S® precision drives offer high-accuracy motors and a graphical interface that makes setup and operation easier than ever. The high-contrast LCD shows four operating modes: continuous run, timed dispense, copy dispense, and volume dispense allowing you to view pump performance continually.

A programmable dispense interval allows hands-free dispensing and filling, and a new cumulative volume feature totalizes volume dispensed over multiple cycles. Programmed calibration ensures dispense and display accuracy—drive stores one calibration value per tubing size.

Computer-compatible models 07551-00 and -10 operate as stand-alone drives or they can be interfaced with a PC.

Process drive 07575-10 features a NEMA 4X / IP66-rated 316 stainless steel housing for sanitary and washdown applications.



L/S variable-speed digital drives are ideal for repetitive filling and dispensing applications. Stack pump heads to reduce pulsation and increase flow rates.

FLOW RATES IN mL/MIN WITH MASTERFLEX L/S® PUMP HEADS*

rpm	Precision pump tubing						High-performance precision pump tubing			
	L/S 13	L/S 14	L/S 16	L/S 25	L/S 17	L/S 18	L/S 15	L/S 24	L/S 35	L/S 36
	Standard, Easy-Load, Easy-Load II, Easy-Load 3						Multichannel, Standard, Easy-Load II, Easy-Load 3, High-Performance			
	Cartridge, Multichannel			Cartridge			Easy-Load			
0.1 to 600	0.006 to 36	0.021 to 130	0.08 to 480	0.17 to 1000	0.28 to 1700	0.38 to 2300	0.17 to 1000 (0.18 to 1100)	0.28 to 1700 (0.30 to 1800)	0.38 to 2300 (0.43 to 2600)	0.48 to 2900 (0.57 to 3400)
0.02 to 100	0.001 to 6	0.004 to 21	0.016 to 80	0.033 to 170	0.057 to 280	0.077 to 380	0.033 to 170 (0.036 to 183)	0.057 to 280 (0.057 to 300)	0.077 to 380 (0.086 to 433)	0.096 to 480 (0.113 to 566)

*Flow rates in parentheses are for the L/S High-Performance pump head.

SPECIFICATIONS & ORDERING INFORMATION

ISO9001:2000
SUPPLIER CERTIFIED



2 year
warranty

Catalog number	rpm	Speed control (resolution)	Pump heads accepted	Motor size	IP rating	Dimensions (L x W x H)	Power (50/60 Hz)	
							VAC	Amps
Standard digital drives								
MK-07523-80	0.1 to 600	±0.1% (0.1 rpm at 600 rpm; 0.01 rpm at 100 rpm)	2	1/10 hp (75 W)	IP33	25.4 x 21.6 x 21.6 cm (10" x 8½" x 8½")	90 to 260	2.2 at 115 VAC, 1.1 at 230 VAC
MK-07523-90	0.02 to 100		4					
Computer-compatible/programmable digital drives								
MK-07551-00	0.1 to 600	±0.1% (0.1 rpm at 600 rpm; 0.01 rpm at 100 rpm)	2	1/10 hp (75 W)	IP33	25.4 x 21.6 x 21.6 cm (10" x 8½" x 8½")	90 to 260	2.2 at 115 VAC, 1.1 at 230 VAC
MK-07551-10	0.02 to 100		4					
Process digital drive								
MK-07575-10	0.1 to 600	±0.1% (0.1 rpm at 600 rpm)	2	1/10 hp (75 W)	IP66	30.5 x 22.9 x 23.5 cm (12" x 9" x 9¼")	90 to 260	2.2 at 115 VAC, 1.1 at 230 VAC

What's included:

6-ft (1.8-m) line cord with IEC 320/CEE22 socket. Drives are shipped with country-specific plug/cord set.