

Cole-Parmer® Digital Gear Drive with Remote Control

Easier setup and operation

NEW

- Graphical LCD shows four operating modes: continuous run, timed dispense, copy dispense, volume dispense
- Get pulse-free flow in combination with Micropump® A-mount head
- Maximize bench space by stacking up to three drives
- Control speed, direction, and more remotely via DB25 female connector on drive



Analog remote control options and simple programming make this drive ideal for automated process applications. Drive features set time interval between dispense cycles for hands-free dispensing. Batch count function counts down and displays batches completed. Cumulative volume function enables you to track total volume dispensed over multiple cycles.

What's included: 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.



GY-07523-92 Foot switch for momentary start/stop; 6-ft (1.8-m) cable
GY-07523-94 Male connector, DB25.
 Use to create your own cable

Motor rpm	Motor hp	Motor type	Power VAC	Power Hz	Catalog number	Price
36 to 3600	1/10	PMDC	90 to 260	50/60	GY-75211-70	



Cole-Parmer® Gear Pump Systems

Order one part number, get a complete system—drive and pump head

Benchtop Analog Drives provide continuous-duty operation with Micropump® A-mount pump heads. Gradual, one-second acceleration offers smooth control of drive speed and flow rate. The permanent-magnet, direct-current (PMDC) drive is built to last—excellent for long-term applications.

Benchtop Digital Drives. Graphical LCD shows four operating modes: continuous run, timed dispense, copy dispense, and volume dispense. View pump performance continually. Systems deliver pulse-free flow in combination with Micropump® A-mount head. Retrieve displacement and flow values by pump head size. IP33-rated enclosure ensures splash and dust resistance. Drive has a DB25F connection to the optional foot switch for hands-free on/off control (order foot switch separately).



Benchtop analog system 74013-45

Benchtop digital system 74014-32



Specifications

Viscosity: 0.2 to 1500 cp	Remote control: Analog drives: none Digital drives: (input) on/off by contact closure	Max operating temperature: 60°C (104°F)
Suction lift: 0.6 m of H ₂ O (at 1750 rpm)	0 to 10 VDC, 0 to 20 mA, 4 to 20 mA, and remote output	Speed: Analog drives: 50 to 5000 rpm Digital drives: 36 to 3600 rpm
Duty cycle: continuous		
Port size: 1/8" NPT(F)		

Flow rates (mL/min) [†]			Max pressure		Wetted parts			Benchtop analog systems			Benchtop digital systems			Service kits	
mL/rev	at 50 rpm	at 3600 rpm	Diff (bar)	System (bar)	Body	Gears	Seals	Catalog number	Power (VAC)	Price	Catalog number	Power (VAC)	Price	Catalog number	Price
0.017	0.85	85	1.38	20.68	316 SS	Graphite	PTFE	GY-74013-70	115		GY-74014-72	90 to 260		GY-07144-42	
								GY-74013-75	220						
0.092	4.60	331.2	5.17	20.68	316 SS	PPS	PTFE	GY-74013-00	115		GY-74014-02	90 to 260		—	—
								GY-74013-05	220						
0.092	4.60	331.2	5.17	20.68	316 SS	PPS	PPS	GY-74013-60	115		GY-74014-62	90 to 260		—	—
								GY-74013-65	220						
0.261	13.05	939.6	8.61	20.68	316 SS	PEEK	Viton®	GY-74013-50	115		GY-74014-52	90 to 260		GY-74012-52	
								GY-74013-55	220						
0.316	15.8	1137.6	5.17	20.68	316 SS	PPS	PTFE	GY-74013-10	115		GY-74014-12	90 to 260		—	—
								GY-74013-15	220						
0.64	32.0	2304	5.17	20.68	316 SS	PPS	PTFE	GY-74013-20	115		GY-74014-22	90 to 260		GY-74012-22	
								GY-74013-25	220						
0.91	45.5	3276	5.17	20.68	316 SS	PPS	PTFE	GY-74013-30	115		GY-74014-32	90 to 260		—	—
								GY-74013-35	220						
1.17	58.5	4212	4.14	20.68	316 SS	PPS	Viton	GY-74013-40	115		GY-74014-42	90 to 260		—	—
								GY-74013-45	220						

[†]Flow rates in mL/min are based on water at room temperature and no back pressure.

GY-07523-92 Foot switch for 74014 series only.
 Momentary start/stop, 1.8-m cable

GY-06385-10 Male pipe adapter (straight);
 PP, 1/4" OD x 1/8" NPT(M). Pack of 10

GY-30621-31 Male pipe adapter; HDPE, 1/8" NPT(M) x 1/4" ID.
 Pack of 10

GY-40610-36 Male pipe adapter; natural PP,
 1/8" NPT(M) x 1/4" ID. Pack of 10