

Paddle Wheel

Cole-Parmer Micro-Flo Rate and Total Meters

Economical low-flow ranges

- Displays flow rate and total
- Preset factory calibrations or custom field-calibrated

These economical meters are capable of very low flow rates. The display is programmable for preselected factory settings or can be field calibrated for high accuracy in a specific application. Displays units in milliliters, ounces, liters, or gallons; displays time in minutes, hours, or days. Display can be programmed for up to four decimal places. All units are supplied with a 115 VAC/DC power supply.



32550-01

Specifications & Ordering Information

Accuracy: 6% full-scale
Maximum fluid temperature: 200°F (93°C)
Maximum working pressure: 200 psi
Materials of construction:
 PVDF body, paddle, axle, tubing connections;
 PVC NPT connections and lens; Viton® O-rings
Power: 115 VAC/DC plug-in transformer

Flow range (mL/min)	1/4" NPT(F) pipe connection		1/4" ID x 3/8" OD tubing connection	
	Catalog number	Price	Catalog number	Price
30 to 300	KH-32550-01		KH-32550-13	
100 to 1000	KH-32550-03		KH-32550-15	
200 to 2000	KH-32550-05		KH-32550-17	
300 to 3000	KH-32550-07		KH-32550-19	
500 to 5000	KH-32550-09		KH-32550-21	
700 to 7000	KH-32550-11		KH-32550-23	

Cole-Parmer Remote Mount Control Flowmeters

Simple proportional feed, batch processing, and analog output

- Base model displays flow rate and total
- Optional proportional feed control and 4 to 20 mA analog output
- In-line and saddle fittings to suit a wide range of pipe sizes
- Display mounts in a 1/4-DIN panel opening

These meters have been traditionally popular for water/wastewater treatment, chemical system and agricultural applications. The display is programmable for selecting decimal placement, display units, K-factor editing and includes a security lockout to prevent unauthorized reprogramming.

Rate and Total Meters can be operated by batteries or AC/DC plug-in transformer.

Proportional Feed Meters display rate and total and also include an 8-amp relay for turning on and off external equipment, such as metering pumps and solenoid valves. This allows simple batch processing, proportional chemical feed, or high/low level alarm functions. Meters are supplied with a 115 VAC/DC power supply.

Analog Output Meters provide a programmable analog 4 to 20 mA or 0 to 10 VDC output signal that is proportional to the flow.

Optional pipe fitting kits are available separately below.



32555-01



Control meter shown with optional saddle mount kit 32555-99

Specifications & Ordering Information

Fluid type: water-like, less than 1% solids

Accuracy: ±1% full-scale

Max operating temperature

In-line, polypropylene: 200°F (93°C)

Saddle-mount, PVDF (up to 3"): 200°F (93°C)

Operating pressure: 300 psig

Wetted materials

In-line, polypropylene: PP, PVDF, Viton®

Saddle-mount, PVDF (up to 3"): PVDF, Viton

Input power

Battery-operated units: four AA batteries (included)

AC-operated units: 115 VAC/DC plug-in transformer

Battery life: one year minimum

Enclosure rating: NEMA 4X

Display type: 8-digit LCD, 3/8" H

Display update: 1.5 seconds (10 second average)

Display dimensions: 4" x 4" x 3/4"H

Remote mount cable: 25-ft shielded (included)

Fitting size	Flow range (GPM)	Pipe fitting type and material	Rate and Total meters				Proportional feed meters		Analog output meters	
			Battery operated		AC operated		AC operated		AC operated	
			Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Price
3/8"	0.4 to 4	In-line PP	KH-32555-01		KH-32555-25		KH-32555-49		KH-32555-73	
3/8"	0.8 to 8	In-line PP	KH-32555-03		KH-32555-27		KH-32555-51		KH-32555-75	
1/2"	0.5 to 5	In-line PP	KH-32555-05		KH-32555-29		KH-32555-53		KH-32555-77	
1/2"	2. to 20	In-line PP	KH-32555-07		KH-32555-31		KH-32555-55		KH-32555-79	
3/4"	0.8 to 8	In-line PP	KH-32555-09		KH-32555-33		KH-32555-57		KH-32555-81	
3/4"	4. to 40	In-line PP	KH-32555-11		KH-32555-35		KH-32555-59		KH-32555-83	
1"	2. to 20	In-line PP	KH-32555-13		KH-32555-37		KH-32555-61		KH-32555-85	
1"	6 to 60	In-line PP	KH-32555-15		KH-32555-39		KH-32555-63		KH-32555-87	
1 1/2"	15 to 150	Saddle PVDF	KH-32555-17		KH-32555-41		KH-32555-65		KH-32555-89	
2"	30 to 300	Saddle PVDF	KH-32555-19		KH-32555-43		KH-32555-67		KH-32555-91	
2 1/2"	40 to 400	Saddle PVC	KH-32555-21		KH-32555-45		KH-32555-69		KH-32555-93	
3"	60 to 600	Saddle PVDF	KH-32555-23		KH-32555-47		KH-32555-71		KH-32555-95	

[KH-32555-97](#) Pipe mounting kit, for pipe up to 1 1/2" dia

[KH-32555-99](#) Pipe mounting kit, for pipe up to 3" dia