

Gems Sensors & Controls® XFT® Clamp-On Ultrasonic Flowmeters

Cole-Parmer®



Install these noninvasive ultrasonic flowmeters in minutes without cutting pipes or stopping production. Simply clamp on the outside of the pipe, eliminating the potential for pressure loss or contamination. With no moving parts, these ultrasonic flowmeters provide great long-term accuracy without routine servicing. Built-in parameter adjustment, password protection, and advanced calibration tools add flexibility for a wide range of system requirements.

Choose from flowmeters with or without temperature monitoring. View real-time parameters including flow rate, cumulative flow, and temperature on select models on the rotatable, full-color LCD. Output parameter data with an analog 4 to 20 mA output plus Modbus RTU for seamless integration into PLCs, BMS, or process monitoring systems.



**Scan the QR code for more information
on flowmeters.**

APPLICATIONS

- Perfect for semiconductor processing and cooling systems
- Ideal for general-purpose, laboratory, and manufacturing applications

FEATURES/BENEFITS

- Clamp-on design—no need to cut pipes for installation
- Supports stainless steel, PVC, PPR, copper, iron pipes
- No media contact or moving parts ensure long-term accuracy without routine servicing
- Password protection provides added security
- IP66 rated

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India	+1.800.266.1244

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Cole-Parmer®
coleparmer.com

*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Technical Specifications

Specification	Flowmeters Without Temperature	Flowmeters With Temperature
Flow accuracy	Typical $\pm 2\%$ FS, Max $\pm 3\%$ FS	Typical $\pm 2\%$ FS, Max $\pm 3\%$ FS
Fluid temperature range	–	0 to 60 °C (32 to 140 °F)
Temperature accuracy	–	± 2 °C (Pipe Wall)
Output	4 to 20 mA and Modbus RTU	4 to 20 mA and Modbus RTU
Power	10 to 36 VDC	10 to 36 VDC
Connection	M-12 A-Code 8-Pin Male	M-12 A-Code 8-Pin Male
Operating temperature	-10 to 60 °C (14 to 140 °F)	-10 to 60 °C (14 to 140 °F)

Ordering Table

Flow Rate		Pipe Size	Diameter Range (OD)	Flowmeter Without Temperature Item Number	Flowmeter With Temperature Item Number
LPM	GPM				
2 to 30	0.26 to 7.9	3/8"	16 to 18 mm	48524-39	48524-45
5 to 60	1.3 to 15.9	1/2"	18 to 23 mm	48524-40	48524-46
10 to 100	2.6 to 26.4	3/4"	23 to 28 mm	48524-41	48524-47
15 to 200	3.9 to 52.8	1"	28 to 37 mm	48524-42	48524-48
20 to 300	5.2 to 79.3	1-1/4"	37 to 44 mm	48524-43	48524-49
40 to 400	10.5 to 105.7	1-1/2"	44 to 52 mm	48524-44	48524-50