FL1500 Series Flow Logger

Applications

- Wastewater
- Collection Systems
- Industrial Water

The Flexibility You Need.

The FL1500 is the one stationary flow logger you need. Flexible sensor options deliver versatility for all of your flow applications. Take control of your data with sensors you can trust.

Ensure Accurate Data

Connected with McCrometer's complete portfolio of reliable open channel flow sensors, the FL1500 gives you absolute confidence in your data. Sensor calibration prompts provide step-by-step guidance, reducing the likelihood of errors.

Simplify Your Toolkit

The FL1500 is the most agile flow logger, working with the largest selection of sensors to accommodate multiple applications. This multi-channel controller can handle up to four independent flow sensors. The FL1500 can be paired with peripheral equipment such as a rain gauge, pH sensor, auto sampler and mechanical totalizer. Collect measurements with ease from the flow sensors you trust.

Prioritize Productivity

Built with an easy-to-use color screen, the FL1500 makes operations simpler and more productive. Flexible programming options via keypad, PC (FSDATA® Desktop Software), or USB stick makes programming easier than ever. Additionally, remote communication between the logger and a SCADA or PLC allows for seamless data retrieval.

Upload/download data and programs via USB.

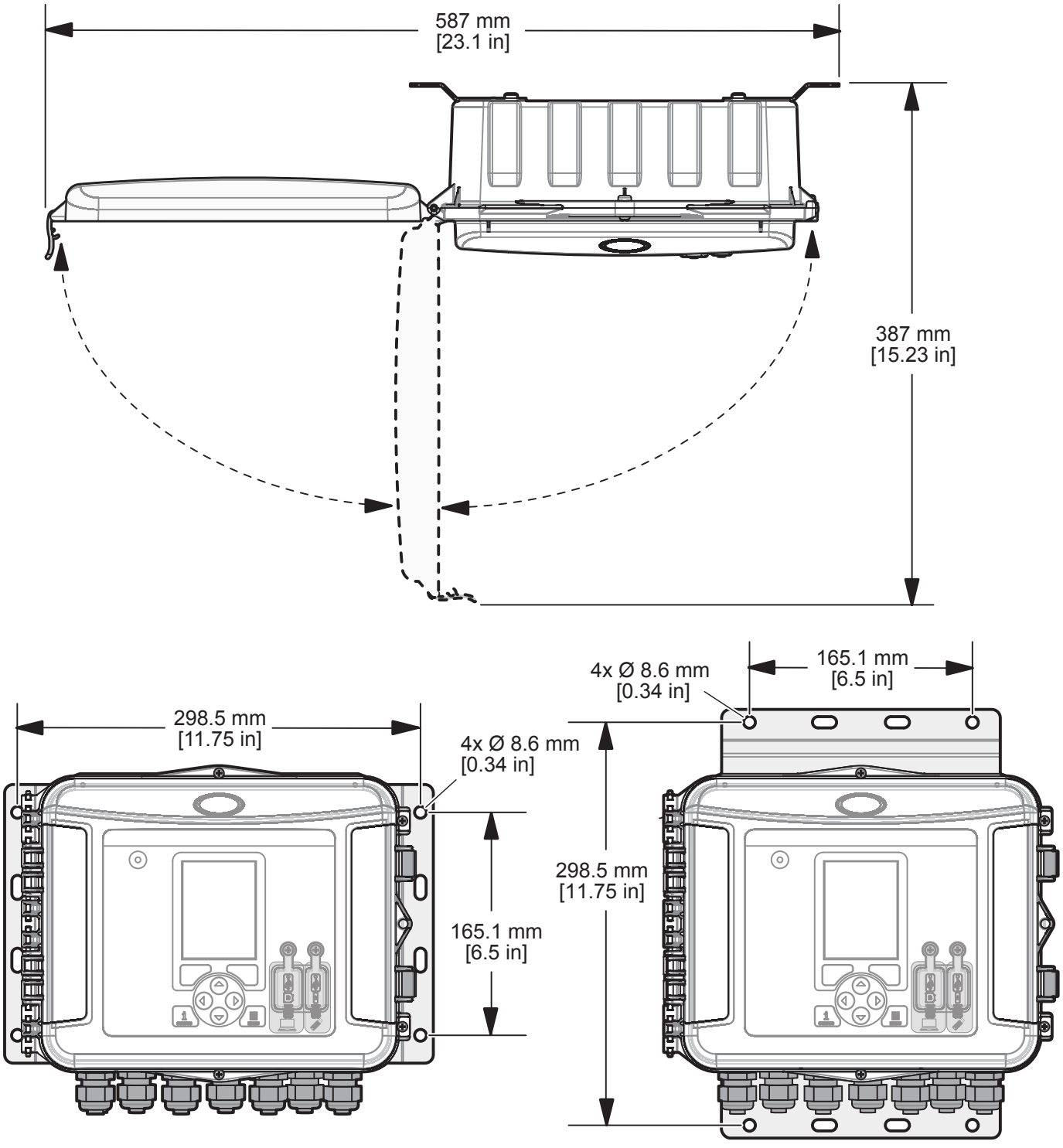
Hach's Flow Solutions by McCROMETER

Specifications*

Size	25.4 cm x 29.2 cm x 12.1 cm, (10.0"H x 12.5"W x 5.25"D), Including mounting bracket and clear cover (not including cord grips)
Display	¼ VGA, Color, self-prompting menu-driven program
Materials	PC/ABS
Environmental Rating	NEMA 4X, IP66
Operating Temperature	-20 to 60 °C (-4 to 140 °F)
Storage Temperature	-40 to 70 °C (-40 to 158 °F)
Power Requirements	AC: 100–240 VAC, 50/60 Hz, 15 watts DC: 10–30 VDC, 15 watts (Backup Battery option: 12 VDC lead acid battery with AC charger)
Sensor Connections	Basic model: 2, Advanced model: 4
Sensor Options	Flo-Dar, SVS, Sub AV with AV9000S, US9001, US9003, BL9000, Digital Differential pH, Rain Gauge
Programming	Controller keypad, USB upload, or via PC using FSDATA Desktop software (requires Windows Operating System, Windows 7 or newer)
Data Storage	Maximum 829,440 measurements (180 days storage, 5-minute logging intervals for 16 parameters); data wraps when full
Data Download/Output	USB drive, FSDATA Desktop via USB connection
Communications	USB, RS485 (MODBUS)
Totalizer	Internal, settable and non-resettable, scalable totalizers. External, non-resettable mechanical totalizer option available on Advanced model.
Model Options: Basic, Advanced Inputs/Outputs	Basic: 2 Sensors, Rain, RS485, 1 analog input, 2 analog outputs (loop powered), Auxiliary (Sampler), IO9004 port Advanced: 4 Sensors, Rain, RS485, 1 analog input, 3 analog outputs (loop powered), Auxiliary, IO9004 port, 2 digital inputs, 2 digital outputs, electro-mechanical totalizer port
Relays	Two high voltage relays; Form C, SPDT, 20–230 VAC, 2.0 A
Program Languages	English, Spanish, Portuguese, French, German, Italian
Program Lock	Access code protection prevents tampering
Certifications	CE, cETLus, RCM
Weight	3.2 kg (7.0 lb)
Warranty	1 year, (EU: 2 years)

**Subject to change without notice.*

Mounting Dimensions



Ordering Information

FL1500 Flow Controller LFV001.99.	__	__	N	X	H
Power					
10-30 VDC	D				
Universal 100-240VAC 50/60Hz - Without cord	W				
Universal 100-240VAC 50/60Hz - US cord	U				
Universal 100-240VAC 50/60Hz - EU cord	E				
Universal 100-240VAC 50/60Hz - UK cord	K				
Universal 100-240VAC 50/60Hz - AU cord	A				
Connectivity Options					
Basic: 2 Sensors, Rain, RS485, 1 analog input, 2 analog outputs, Auxiliary, IO9004 port		2			
Advanced: 4 Sensors, Rain, RS485, 1 analog input, 3 analog outputs, Auxiliary, IO9004 port, 2 digital inputs, 2 digital outputs, electro-mechanical totalizer port		4			

Accessories

8314000	Internal desiccant tube with desiccant
8321200	External desiccant, (required when using FLO-DAR®)
8755500	Bulk, desiccant beads (1.5 lbs)
8317900	US Power cable, 115 VAC, 10 A, 2.4 m (8 ft)
8318000	EU power cord, 115 VAC, 10 A, 2.4 m (8 ft)
8318100	UK power cord, 115 VAC, 10 A, 2.4 m (8 ft)
8318200	AU power cord, 115 VAC, 10 A, 2.4 m (8 ft)
8320800	USB Type A to B cable
8308000	pH sensor adaptor cable
8319000	Pipe mounting kit
8307700	Mechanical totalizer
8528500	Half cable to AS950 sampler, 2.7m (9 ft)
8528501	Half cable to AS950 sampler, 7.6m (25 ft)
8319200	Sun/rain shield

AC backup battery 8757400 [requires power half cable 8307900 and AC power supply 8754500XX where XX=US, EU, UK or AU].

For additional information on products mentioned in this data sheet, download the following data sheets at: www.mccrometer.com

FLO-DAR® AV Sensor (LIT2708)

AV9000 Module with Submerged AV Flow Sensor (DOC053.53.35082)

BL9000 Bubble Level Sensor (DOC053.53.35138)

US9000 Ultrasonic Sensors (LIT2804)

FSDATA Desktop Software (LIT2832)

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