Order Form AVFM 5.0

AVFM 5.0 AVFM 5.0 Area-Velocity Flow Meter Model Approximate shipping weight: 11 lbs / 5 kg STANDARD FEATURES: QZ02L sensor – measures flow Velocity and Level ■ sensor cable – 25 ft / 7.6 m submersible, shielded 3-coaxial • enclosure - watertight, NEMA4X (IP66) polycarbonate displays – white backlit matrix LCD ■ calibration - built-in 5-key programmer ■ outputs – three isolated 4-20mA/0-5V, Flow, Level and Velocity ■ 2 control relays - 5 amp, SPDT - programmable for flow proportional pulse output, flow and/or level alarm power input - 100-240VAC 50/60Hz electrical surge protection and RFI filters - AC, sensor, 4-20mA ■ 1 Manual - Installation and Operation POWER INPUT Standard 100-240VAC 50/60Hz Α 9-32VDC В ENCLOSURE Standard NEMA4X (IP66) fiberglass 1 CXJ8106 - Explosion proof NEMA7 (non-returnable & non-refundable) 2 ENCLOSURE TEMPERATURE Standard (-5° to 140°F / -20° to 60°C) Α Heater and Thermostat (115VAC, 15 watts) В Heater and Thermostat (230VAC, 15 watts) С ELECTRONICS PROTECTION Standard - no circuit board coating 1 2 Conformal Coated Electronics (partial - excludes power supply, display and optional data logger) SENSOR (each with 25 ft / 7.6 m cable and stainless steel mounting bracket) QZ02L Standard Sensor, submersible - measures Level and Velocity A1 PZ15-LP Non-contacting Level plus separate QZ02L-B Submersible Velocity B1 PZ15-LP Non-contacting Level plus QZ02L-B-SS Hi-Temp Velocity **B3** PZ15-LP Non-contacting Level plus SE4 Clamp-on Velocity B2 F2 PZ15 Non-contacting Level plus SE4 Clamp-on Velocity INTRINSIC SAFETY BARRIERS (built into electronics enclosure) Standard, General Purpose locations, not rated Intrinsically Safe 1 3ISB Intrinsic Safety Barriers (3) for Sensor and cable installation in Class 2 I,II,III, Div. I,II, Groups C,D,E,F,G hazardous rated locations SENSOR CABLE LENGTH Standard 25 ft. 7.6m submersible, shielded 3-coaxial Α 50 ft / 15 m submersible, shielded 3-coaxial В 100 ft / 30 m submersible, shielded 3-coaxial С DATA LOGGER None – Standard 1 Greyline Logger - 2 million point Data Logger (with USB output, PC software) 2 CONTROL RELAYS 2 – Standard Α 4 Extra Relays (6 total) rated 5 amp SPDT, fully programmable В

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OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION
	VXC	Extra QZ02L sensor cable up to 500 ft / 152 m (submersible tri-coaxial)
	DXC	Extra dual-coaxial sensor cable up to 500 ft / 152 m for optional QZ02L-B
		submersible velocity-only sensor
	XC	Extra coaxial sensor cable up to 500 ft/152 m for optional PZ15-LP level sensor
	JB2X	Sensor cable Junction Box, NEMA4X/IP66 polycarbonate
	JB4X	Sensor cable Junction Box for separate level and velocity, NEMA4X/IP66
	PM	Enclosure Panel Mount Flange assembly
	SCR	Enclosure Sunscreen (iridite aluminum)
	PZS	Sensor Sunscreen (for optional non-contacting level sensor)
	CHS	Spare set Electronics with Mounting Chassis (standard features)
	MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel
	MB15	Extra ultrasonic level Mounting Bracket, stainless steel
	MNL	Additional Manuals (one supplied with each instrument)
	SP4	Lightning/Surge Protection in NEMA13,12 Steel Enclosure
	GL2	Replacement 'Greyline Logger' Software (included with Data Logger option)
	VSJ6	SS Pipe Mounting Band for 6"/150 mm ID pipes (fits ±0.5"/13 mm)
	VSJ8	SS Pipe Mounting Band for 8"/200 mm ID pipes (fits ±0.5"/13 mm)
	VSJ10	SS Pipe Mounting Band for 10"/250 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ12	SS Pipe Mounting Band for 12"/300 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ14	SS Pipe Mounting Band for 14"/350 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ15	SS Pipe Mounting Band for 15"/375 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ16	SS Pipe Mounting Band for 16"/400 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ18	SS Pipe Mounting Band for 18"/450 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ20	SS Pipe Mounting Band for 20"/500 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ24	SS Pipe Mounting Band for 24"/600 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ30	SS Pipe Mounting Band for 30"/750 mm ID pipes (adjustable ±0.5"/13 mm)
	VSJ32-40	SS Half-Pipe Mounting Band for 32-40"/800-1000 mm ID pipes
	VSJ42-54	SS Half-Pipe Mounting Band for 42-54"/1100-1375 mm ID pipes
	VSJ56-72	SS Half-Pipe Mounting Band for 56-72"/1400-1800 mm ID pipes
	VD6	SS Pipe Dam Band for 6"/150 mm ID pipes (fits ±0.5"/13 mm)
	VD8	SS Pipe Dam Band for 8"/200 mm ID pipes (fits ±0.5"/13 mm)
	VD10	SS Pipe Dam Band for 10"/250 mm ID pipes (adjustable ±0.5"/13 mm)
	VD12	SS Pipe Dam Band for 12"/300 mm ID pipes (adjustable ±0.5"/13 mm)
	VD14	SS Pipe Dam Band for 14"/350 mm ID pipes (adjustable ±0.5"/13 mm)
	VD15	SS Pipe Dam Band for 15"/375 mm ID pipes (adjustable ±0.5"/13 mm)
	VD16	SS Pipe Dam Band for 16"/400 mm ID pipes (adjustable ±0.5"/13 mm)
	VD18	SS Pipe Dam Band for 18"/450 mm ID pipes (adjustable ±0.5"/13 mm)

REPLACEMENT SENSORS

* Provide Instrument Serial number when ordering replacements

Standard submersible Velocity/Level Sensor, 316SS with 25 ft. / 7.6 m cable
Optional submersible Velocity/Level Sensor, 316SS with 50 ft. / 15 m cable
Optional submersible Velocity/Level Sensor, 316SS with 100 ft. / 30 m cable
Submersible Velocity Sensor, PVC with 25 ft. / 7.6 m cable
Submersible Velocity Sensor, PVC with 50 ft. / 15 m cable
Submersible Velocity Sensor, PVC with 100 ft. / 30 m cable
Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable
Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable
Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable
Clamp-on Doppler Velocity Sensor with 20 ft / 6 m cable
Clamp-on Doppler Velocity Sensor with 50 ft / 15 m cable
Clamp-on Doppler Velocity Sensor with 100 ft / 30 m cable
Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable
Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable
Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable

¹ Sensors include MB-QZ mounting bracket ² Sensors include MB15 mounting bracket

Effective: January 1, 2018