

**AVMS 5.1 Multi-Sensor
Area-Velocity Flow Meter**

Approximate shipping weight: 12lbs / 5kg

Model **AVMS 5.1** - - - - -

STANDARD FEATURES:

- 3 submersible QZ02L ultrasonic sensors
- sensor cable – each with 25 ft / 7.6 m submersible, shielded tri-coaxial
- enclosures – watertight, NEMA4X (IP66) polycarbonate (AVMS 5.1 flow meter and AVQZ3 remote transmitter-receiver module)
- display – 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 and/or level alarms, proportional pulse output
- 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		A
9-32VDC		B

ENCLOSURE TEMPERATURE Standard (-5° to 140°F / -20° to 60°C)		1
Heater and Thermostat (115VAC, 15 watts)		2
Heater and Thermostat (230VAC, 15 watts)		3

SENSORS (each with 25 ft / 7.6 m cable and stainless steel mounting bracket)

Qty 3 QZ02L Sensors – submerged velocity and level		A1
Qty 3 QZ02L Sensors plus 1 PZ12-LP non-contacting level		B1
Qty 3 QZ02L Sensors plus 1 PZ15 non-contacting level		F1

SENSOR CABLE LENGTH (continuous)

Standard 25 ft 7.6m submersible, shielded tri-coaxial		A
50 ft / 15m submersible, shielded tri-coaxial		B
100 ft / 30m submersible, shielded tri-coaxial		C
50 ft / 15m submersible tri-coaxial, 50 ft / 15 m non-contacting level coaxial		D
100 ft / 30m submersible tri-coaxial, 100 ft / 30 m non-contacting level coaxial		E

DATA LOGGER

None – Standard		1
Greyline Logger – 2 million point Data Logger (with USB output, PC software)		2

CONTROL RELAYS

2 – Standard		A
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ENCLOSURE INTERCONNECT CABLE

100 ft / 30m heavy-duty Cat 5		1
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OPTIONS AND ACCESSORIES

QTY	CODE	DESCRIPTION	
	VXC	Extra QZ02L sensor cable up to 500 ft / 152 m (submersible tri-coaxial)	
	XC	Extra non-contacting level sensor cable up to 500 ft / 152 m	
	JB2X	Sensor cable Junction Box, NEMA4X/IP66 polycarbonate	
	JB4X	Sensor cable Junction Box for separate level and velocity, NEMA4X/IP66	
	SCR	Enclosure Sunscreen (iridite aluminum)	
	PZS	Sensor Sunscreen (for optional non-contacting level sensor)	
	CHS	Spare set AVMS 5.1 Electronics with Mounting Chassis (standard features)	
	CHS-QZ3	Spare set AVQZ3 Remote Transmitter/Receiver Electronics Chassis	
	MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel	
	MB12	Extra PZ12-LP ultrasonic level Mounting Bracket, stainless steel	
	MNL	Additional Manuals (one supplied with each instrument)	
	GL2	Replacement 'Greyline Logger' Software (included with Data Logger option)	

REPLACEMENT SENSORS

* Provide Instrument Serial number when ordering replacements

	QZ02L-UT-01-SD	Standard submersible Velocity/Level Sensor, PVC with 25 ft. / 7.6 m cable	
	QZ02L-UT-02-SD	Optional submersible Velocity/Level Sensor, PVC with 50 ft. / 15 m cable	
	QZ02L-UT-03-SD	Optional submersible Velocity/Level Sensor, PVC with 100 ft. / 30 m cable	
	QZ02L-HT-01-SD	Hi-Temp submersible Velocity/Level Sensor, CPVC with 25 ft. / 7.6 m cable	
	QZ02L-HT-02-SD	Hi-Temp submersible Velocity/Level Sensor, CPVC with 50 ft. / 15 m cable	
	QZ02L-HT-03-SD	Hi-Temp submersible Velocity/Level Sensor, CPVC with 100 ft. / 30 m cable	
	PZ12-LP	Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable	
	PZ12-LP-25XC	Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable	
	PZ12-LP-75XC	Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable	
	PZ15	Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable	
	PZ15-25XC	Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable	
	PZ15-75XC	Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable	