M9.20

Battery powered flow monitor

aliaxis

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FLS M9.20 is a smart battery-powered flow monitor designed to convert the frequency signal of FLS sensors into flow rate. The M9.20 monitor is equipped with a high range lithium battery that also powers the sensors. The large 4" display shows the measured values with extreme clarity. The main parameters can be configured with a first wizard. For calibration or alignment using an extremely user-friendly in-line calibration procedure, a reference flow rate can be used. A safety icon notifies you when it is time to replace the battery and the instrument automatically stores all the main parameters. A 10-character string allows you to customise the display of the monitor with ease. The M9.20 monitor is equipped with a USB port that facilitates the updating of the software by the end user.

BATTERY POWERED FLOW MONITOR

APPLICATIONS

- Remote distribution systems
- Mobile monitoring systems
- Irrigation and fertilization
- Reclamation of aquifers
- Swimming pools and spas
- Liquid dispensing systems

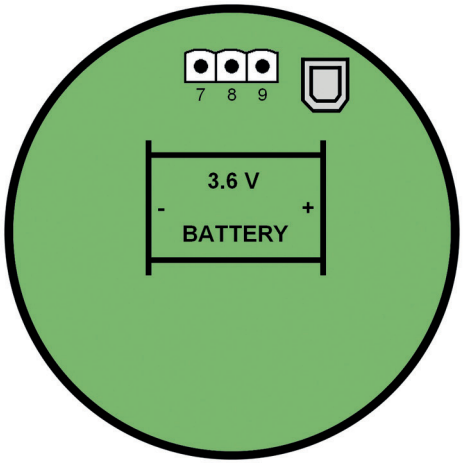
MAIN CHARACTERISTICS

- Large display
- Long battery life
- Installation flexibility
- Multilingual menu
- When the battery is replaced the data are not lost
- USB port for software upgrade

TECHNICAL DATA	
General information	**Compatible sensors**: FLS Coil effect with frequency output and FLS Reed effect
	Materials: – Case: ABS – Display: PC – Panel and wall gasket: silicone rubber – 5-button keyboard: silicone rubber
	Display: – Transflective technology – Update rate: 1 second – Protection class: IP65 front
	Flow input range (frequency): from 0.5 to 500 Hz
	Flow input accuracy (frequency): 0.5%
Electrical data	**Supply voltage:** 3.6 Volt Lithium Thionyl Chloride battery, size C, 8.5 Ahr 3
	Max electrical consumption: < 400 mA
	FLS Coil effect flow sensor power supply: – 3.6 Volts
Environmental data	**Operating temperature:** from –5°C to 60°C (from 23°F to 140°F)
	Storage temperature:from -10°C to +80°C (from -14°F to +176°F)
	Relative humidity: from 0 to 95% not condensing
Standards & Approvals	Manufactured under ISO 9001 Manufactured under ISO 14001 CE RoHS Compliance EAC

ELECTRICAL CONNECTIONS

Rear view of electrical connections



9	V+	Flow Sensor
8	FREQ IN	
7	GND	

PRODUCT CODES

M9.20.PX - M9.20.WX

Battery Powered Flow Monitor

Code	Mounting	Power supply	Sensor Input	Weight (gr.)
M9.20.P1	Panel	Battery Powered	Flow (Frequency)	500
M9.20.W1	Wall	Battery Powered	Flow (Frequency)	550

M9.20.XX

Battery Powered Flow Monitor Field Mounting

Code	Sensor Input	Length	Main Wetted Materials	Weight (gr.)
M9.20.01	Flow (Frequency)	L0	C-PVC EPDM	550
M9.20.02	Flow (Frequency)	L0	C-PVC FKM	550
M9.20.03	Flow (Frequency)	L1	C-PVC EPDM	550
M9.20.04	Flow (Frequency)	L1	C-PVC FKM	550
M9.20.05	Flow (Frequency)	L0	PVDF EPDM	550
M9.20.06	Flow (Frequency)	L0	PVDF FKM	550
M9.20.07	Flow (Frequency)	L1	PVDF EPDM	550
M9.20.08	Flow (Frequency)	L1	PVDF FKM	550
M9.20.09	Flow (Frequency)	L0	316L SS EPDM	600
M9.20.10	Flow (Frequency)	L0	316L SS FKM	600
M9.20.11	Flow (Frequency)	L1	316L SS EPDM	600
M9.20.12	Flow (Frequency)	L1	316L SS FKM	600