

AquaSensors AV38 Local Digital Monitor and Controller

Measurement system for universal plug and play

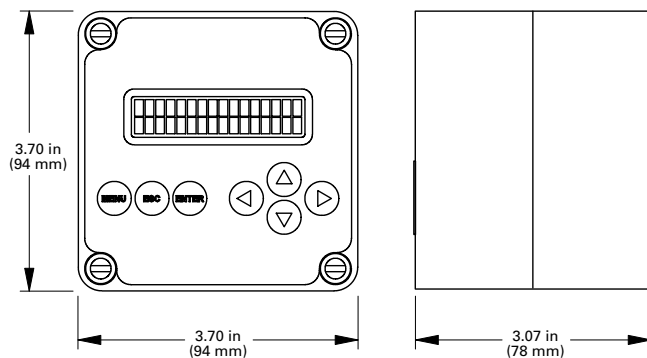
Thermo Scientific™ AquaSensors™ AV38 Local Monitor and Controller

- Connects to any Thermo Scientific™ DataStick™ system
- Convenient ¼ DIN enclosure
- Display sensor and temperature data
- Menu functions: Calibration, configuration and diagnostics
- Digital protocol options for remote measurement
- Calibration, configuration and diagnostics
- Two 4 to 20 mA current outputs
- Two Form C relays for alarm, control and wash
- 7 conduit knockouts for easy cabling

Features and benefits

Mounting options

- Enclosure, NEMA 4X
- ½ DIN NEMA 4X panel mount
- Display only with NEMA 4X gasket



AquaSensors AV38 Local Digital Monitor and Controller module mounted to enclosure with NEMA 4X seal ¼ DIN, dimensions in inches (mm)



AquaSensors AV38 DataStick local monitor and controller shown with NEMA 4X enclosure

Interface

- Display: 2 line by 16 character LCD
- Backlight: High contrast green
- Keypad: 4 directional arrows, MENU, ESCAPE and ENTER

Environmental conditions

- Ambient operating temperature range: -20 to 65°C
- Maximum relative humidity: 95% non-condensing
- Meets CE requirements for heavy industrial use

AquaSensors AV38 DataStick Local Digital Monitor and Controller

Global support

With experience that comes from supporting our customers for over 35 years throughout the world, our water quality specialists and customer support teams offer a quick, thorough and professional response to any problem encountered.

Focus on user benefits

We work closely with you to define your needs and help ensure that you are using the monitor in a way that will help maximize the benefits of the monitor. For more information, contact your local water quality specialists or visit:

thermofisher.com/water

Ordering information

AquaSensors AV38 Local Digital Monitor and Controller specifications

Description	Cat. No.
Local monitor, controller	AV38-v-w-x-y-z
Current outputs (v)	B = One C = Two
Mounting (w)	B = ¼ DIN NEMA 4X wall-mount enclosure
Communications (x)	0 = None 4 = MODBUS™ RTU 7 = Ethernet IP, Modbus TCP, TCP/ICP
Relays (y)	C = Two
Power (z)	1 = 24 VDC 2 = 100 to 240 VAC

Consult factory for additional configurations and accessories

AV38 AnalogPlus universal analyzer specifications

Mounting options	Wall-mount enclosure: NEMA 4X
	Panel-mount: ¼ or ½ DIN NEMA 4X panel mount available
User interface	With NEMA 4X gasket
	Display: 2 line by 16 character LCD
Environmental conditions	Backlight: High contrast green
	Keypad: 4 directional arrows, MENU, ESCAPE and ENTER
DataStick sensor connections	Ambient operating temperature range: -20 to 65°C
	Maximum relative humidity: 95% non-condensing
Supported sensors	Supports 1 to 255 Modbus™ RTU DataStick Sensors of any type
	pH, ORP, two electrode conductivity, two electrode resistivity, toroidal conductivity, dissolved oxygen and dissolved ozone, drinking water and wide-range turbidity, suspended solids and free chlorine
4 to 20 Milliamp current output options	Assignable parameters
	Loop power provided by AV38
Relays	Two 1 amp Form C relays with NO and NC contacts
	Assignable parameters
Digital communications	Configured for alarm, control and timer functions
	Options to host computer network: MODBUS RTU, Ethernet IP
Power supply	Input: 10 to 30 VDC or 100 to 240 VAC (optional)
	Output: 2 W at 25 °C
Approvals	Meets CE requirements for heavy industrial use

Find out more at thermofisher.com/water