



# Catálogo



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# AquaSensors AV38 Local Digital Monitor and Controller



Measurement system for universal plug and play

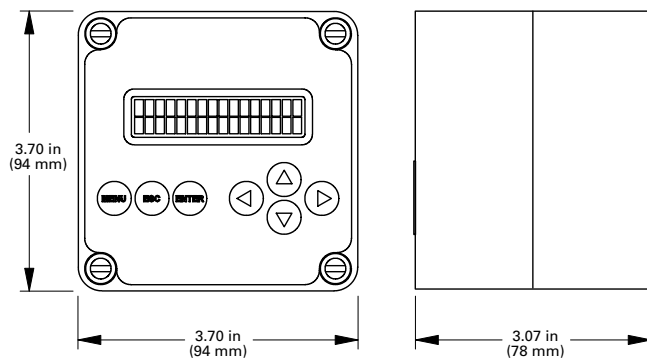
## Thermo Scientific™ AquaSensors™ AV38 Local Monitor and Controller

- 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](http://thermofisher.com/water)

### Ordering information

#### AquaSensors AV38 Local Digital Monitor and Controller specifications

Description	Cat. No.
<b>Local monitor, controller</b>	<b>AV38-v-w-x-y-z</b>
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

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