SHARK Analyzer/Controller SHARK-120/240

Engineering Specifications

1. The analyzer/controller shall be microprocessor based and field selectable for pH, ORP, Conductivity or Flow measurements.

2. The analyzer/controller shall have 3 displays. A 1/2 inch (13mm) 4 x 7 segment LED main display on the front panel. A 7 LED bar graph to indicate process conditions including control relay status and alarm relay status. A 2 line, 16-character LCD configuration display on the inside flip down front panel.

3. The analyzer/controller shall have two 10A/NO, 5A/NC control relays. Each control relay shall have independent adjustable set-point values for Relay On and Relay Off. Each relay shall have adjustable on and off cycle times that are independently variable from 0 - 600 seconds.

4. The analyzer/controller shall have a third 10A/NO, 5A/NC high/low alarm relay with adjustable High On/Off and Low On/Off values.

5. The analyzer/controller shall have a Manual Test Mode to test relays, alarms, and auxiliary devices through the full span of the unit.

6. The analyzer/controller shall have 2 isolated 4-20mA outputs. The primary output shall be process. The secondary output shall be selectable for process or temperature. (Excepting Flow). These two outputs shall be scalable through the entire measuring range.

7. The analyzer/controller shall have the following calibration methods:
pH: 2-point automatic buffer recognition: 2-point manual buffer input.
ORP: 1-point manual buffer input.
Conductivity: 1-point manual buffer input. Dry-Cal; Input of sensor constant.
Flow: K-factor input:

8. The analyzer/controller shall have field selectable temperature sensor inputs. These shall be selectable between 300NTC Thermistor, 3000NTC Thermistor, and PT1000 RTD.

9. The analyzer/controller when configured for pH or ORP shall be selectable for AquaMetrix five-wire differential electrode sensors with replaceable salt bridge or conventional combination style pH or ORP electrodes. Conductivity shall use AquaMetrix MS, or AM series conductivity cells. Flow shall use a variety of paddle-wheel flow sensors.

10. The analyzer/controller shall have a 1/4 DIN, NEMA 4X polycarbonate enclosure. It shall come supplied with a universal mounting kit for surface mounting, panel mounting, and pipe mounting.

11. The analyzer/controller shall be the SHARK-120 (120Vac) or SHARK-240 (240Vac) manufactured by AquaMetrix Inc.

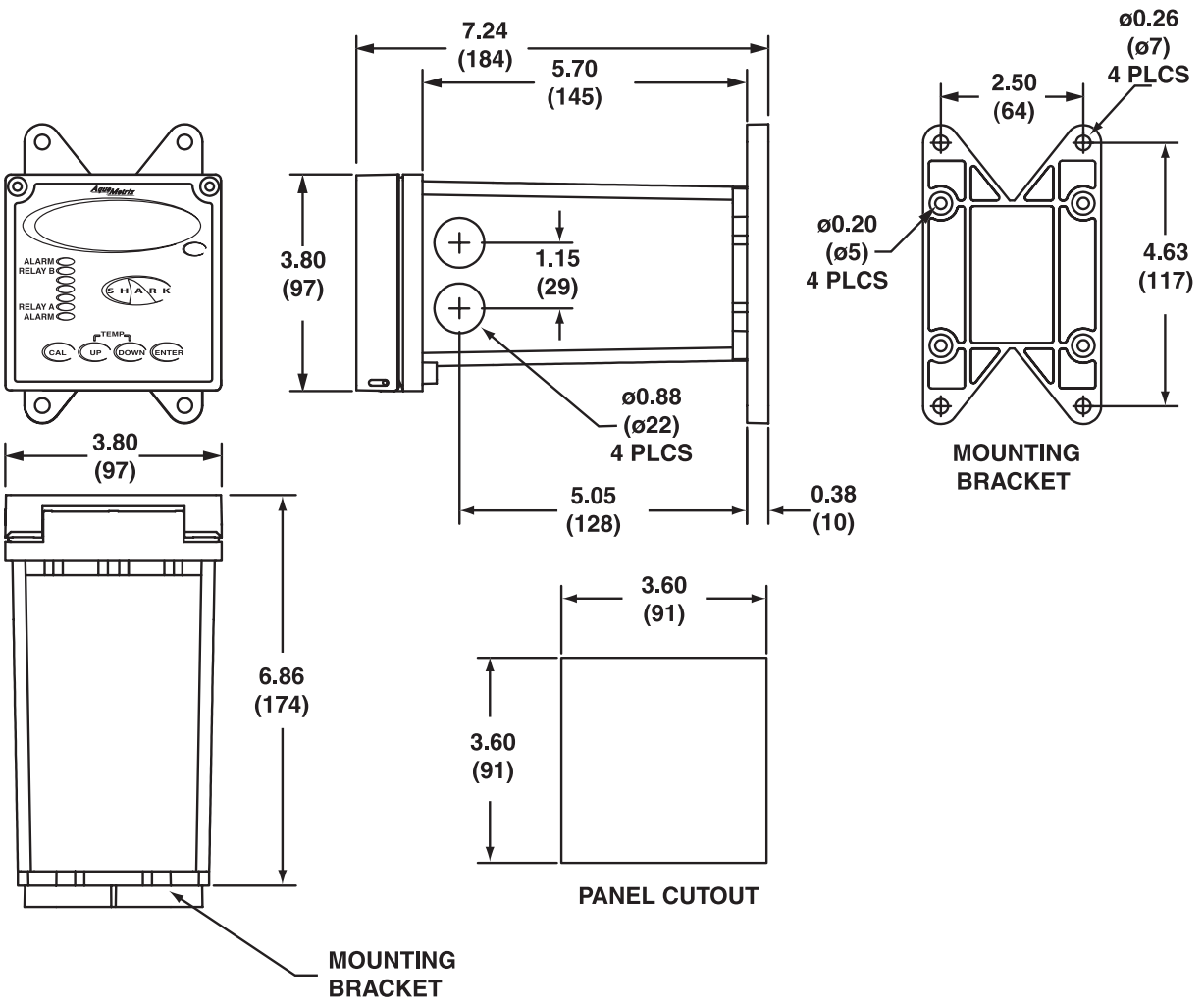
AquaMetrix

AquaMetrix Inc.
22-121 Granton Drive
Richmond Hill ON Canada L4B 3N4

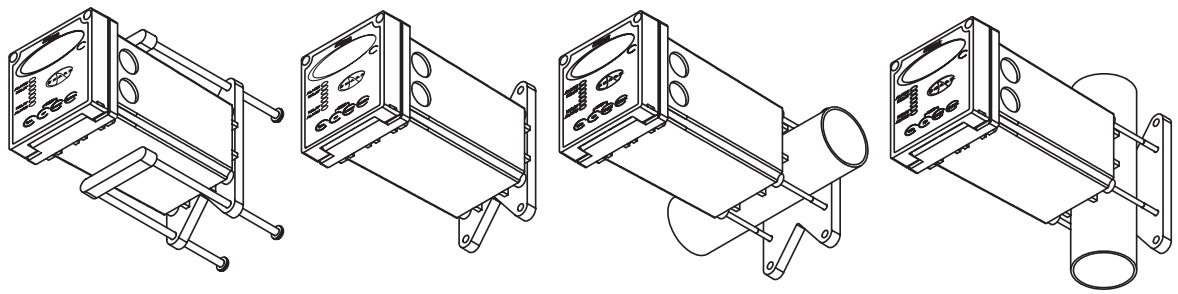
Tel 800.742.1413
905.763.8432
Fax 905.763.9480

Web www.aquametrix.com
Email sales@aquametrix.com

Enclosure Dimensions



MOUNTING CONFIGURATIONS



PANEL MOUNT | WALL MOUNT | HORIZONTAL PIPE MOUNT | VERTICAL PIPE MOUNT

AquaMetrix Inc.
22-121 Granton Drive
Richmond Hill ON Canada L4B 3N4

Tel 800.742.1413
905.763.8432
Fax 905.763.9480

Web www.aquametrix.com
Email sales@aquametrix.com

* NOT TESTED ON ANIMALS