MX 9000

Process Monitor

Ideal for any industrial flow measurement application where a simple, compact & easy-to-use remote flow monitor is required.

Features:

- **Rate, total, limit, batch and ratio options**
- **Single or dual channel**
- **Two programmable Form C relay outputs (optional)**
- **One or two assignable 4-20 mA output (optional)**
- **Easy-to-read LCD display with color backlight that changes color for warning or alarm**
- **Batch controller - stores up to 20 batch recipes**

Applications:

The MX 9000 Process Monitor is a versatile, multi-functional device that helps you track rate, total, limit, ratio, and more. Standard unit is one channel. Optional two channels allow you to monitor dual flows, and display them in a number of ways: separately, as a sum (for example in total material use), as a difference (as in fuel consumption), or as a ratio of product A/product B. Also use the MX 9000 to detect bi-directional flow when A and B channel signals are available from a single flow meter.

The MX 9000 has a number of related functions that add to its capabilities. Four model variations (see reverse side) give the MX 9000 the capability of performing limit, warning and alarm duties.

Technical Specifications:

- **Power Requirement:** 14 to 16 VAC/250mA, or 18-24 VDC/200mA (customer supplied), or 120/240 VAC (optional).

  *All units are shipped with 120VAC/1000mA wall transformer.
- **Flow Sensor Power Supplies:** (2) @ 15 VDC / up to 50 mA each
- **Frequency Inputs:** 0-4 KHz, sine, square or saw-tooth; 4 volts minimum amplitude; 3.3 Kohm maximum impedance
- **4-20 mA Analog Output:** External-powered loop output into a maximum 500 ohm load impedance with 24 VDC supply. 2nd loop output optional.
- **Integrated Linearization:** Maximum 30-point linearization table for improved accuracy over range.

Benefits:

MONITORING VERSATILITY

The MX 9000 is available with one or two channels, to monitor:

- Flow rate from one or two meters
- Flow volume (sum or difference of two flows)
- Ratio (product A/product B)

CUSTOMIZABLE HOUSING OPTIONS

The MX 9000 is available in custom enclosures to meet your application requirements.

EASY REMOTE PROGRAMMING

This unit can be easily programmed to display what you need in a variety of engineering units.

UP AND RUNNING IN MINUTES

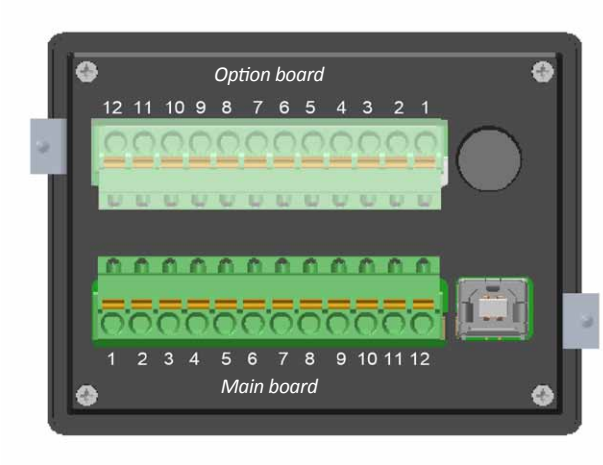
Easy plug-in installation. A quick setup procedure allows you to have the flow monitor working with just a few simple programming steps.

MX 9000

Process Monitor

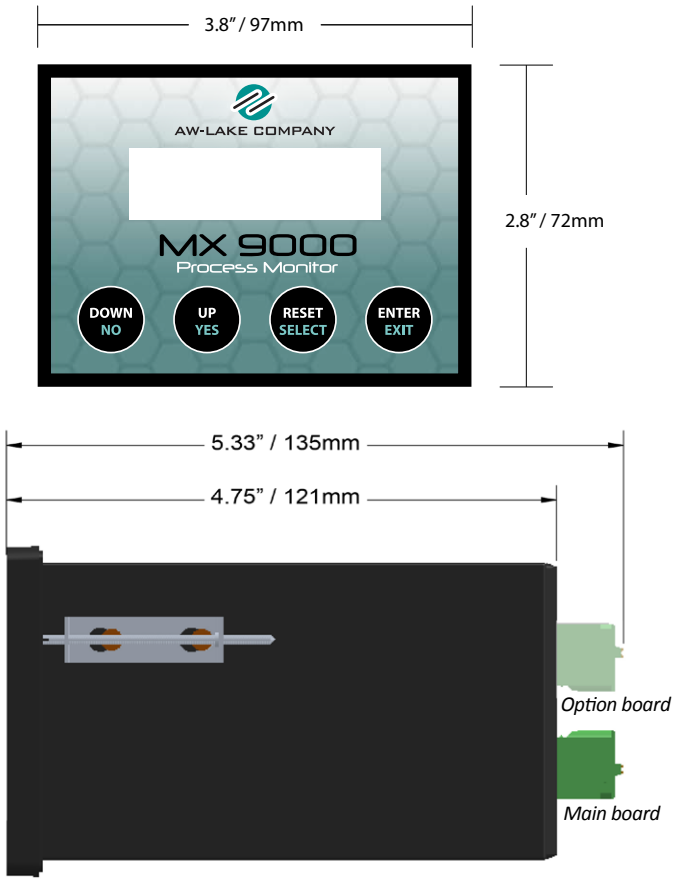
AW GEAR METERS

Terminal Assignments:



Terminal	Upper Connector	Lower Connector
1	Option Board Dependent	+18-24VDC/16VAC
2		DC COM/16VAC
3		+15VDC Out
4		Sig. 1 In
5		Sig. 1 Common
6		+15VDC Out
7		Sig. 2 In
8		Sig. 2 Common
9		EXT Reset +
10		EXT Reset -
11		I + Out 1
12		I - Out 2

Monitor Dimensions:



Part Number Guide:

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Main Board:

S = Single channel flow/total

D = Dual channel flow/total

R = Ratio monitor

B = Batch controller

Output:

4 = 4-20mA output

X = No output

Communication:

X = No addl options

Option Boards:

1 = 4-20mA out, Analog in, Frequency out, 2 relay out

2 = 120/240VAC supply, 4-20mA out, 2 relay out, Frequency out,

3 = only for batch controller

X = No option board

Products may be subject to change without notice - Contact factory for the most up-to-date product information.

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