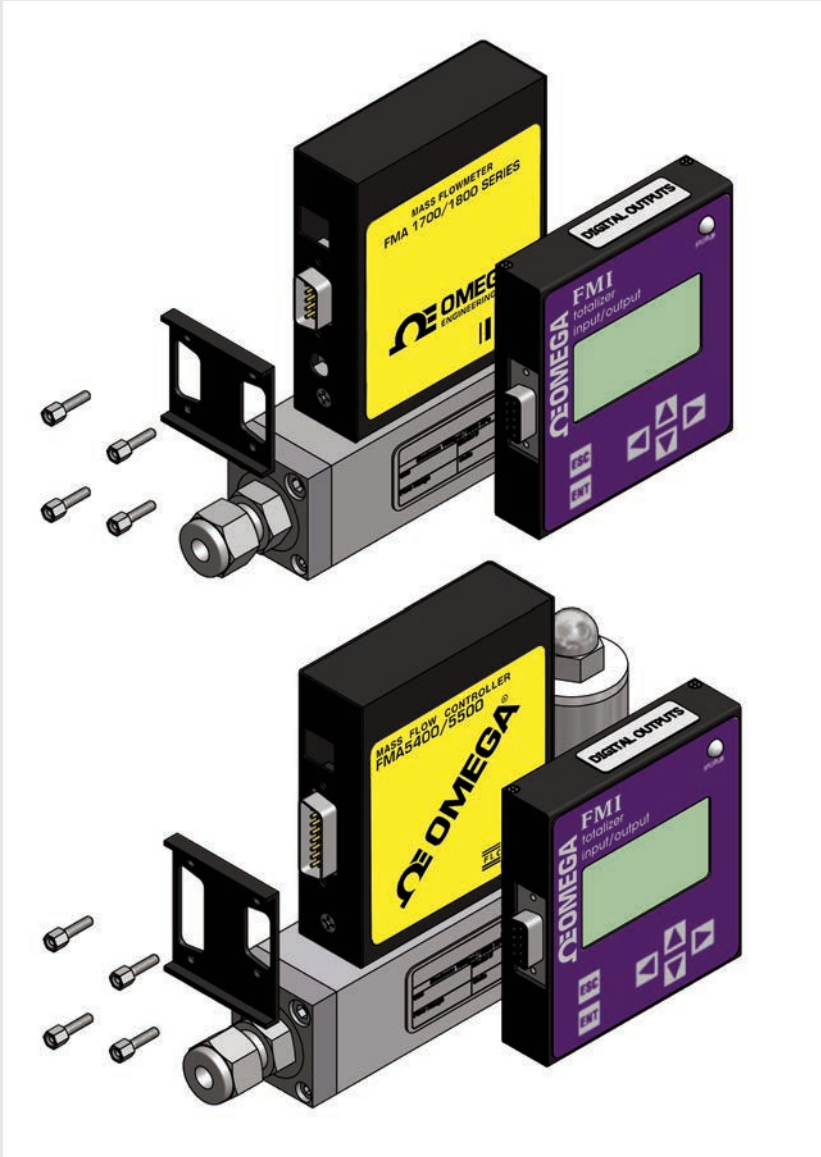


QUICK SET-UP INSTRUCTIONS

FMI-100 Totalizer-Input/Output Flow Monitor/Controller



FMI MOUNTING AND PARAMETER CONFIGURATION INSTRUCTIONS

STEP 1: FMI MOUNTING

1. Using a 3/16" hex nut driver unscrew the 4 original screws (A) from the **FMI** and FMA 1700/1800/FMA 5400/5500 D-connectors.
2. Use the 4 screws (C) from the mounting kit to attach the mounting bracket (B) to the **FMI** and FMA 1700/1800/FMA 5400/5500. Make sure the bracket is properly aligned with both D-connectors.

STEP 2: FMI PARAMETERS CONFIGURATION

2.1 “**Device Function**” parameter must be set according to mated device function:

- 2.1.1 From the **FMI** main PI screen press “**ESC**” button.
- 2.1.2 Highlight “**Program Protection**” menu option and press the “**ENT**” button.
- 2.1.3 Highlight “**Disable**” menu selection and press “**ENT**” button.
- 2.1.4 Using “**Dn**” button, scroll down to highlight “**General Settings**” menu selection and press “**ENT**” button.
- 2.1.5 Select “**Device Function**” menu selection and press “**ENT**” button.
 - a) If the **FMI** is mated to the FMA 1700/1800 flow meter select “**Meter**” and press “**ENT**” button.
 - b) If the **FMI** is mated to the FMA 5400/5500 flow controller select “**Controller**” and press “**ENT**” button.
 - c) If the **FMI** is mated to third party device set “**Device Function**” parameter according to mated device function.

2.2 “**Full Scale Range**” parameter must be set according to mated device Full Scale Range.

- 2.2.1 From “**General Settings**” menu scroll down to select “**Device Calibration**” menu selection and press “**ENT**” button.
- 2.2.2 Select “**Full Scale Range**” menu selection and press “**ENT**” button.
- 2.2.3 Using “**Up**”, “**Dn**”, “**Left**”, “**Right**” buttons, adjust **Full Scale Range** parameter to be equal to the Full Scale Range of the mated device converted to **litr/min** units. When done, press “**ENT**” button to save new settings.

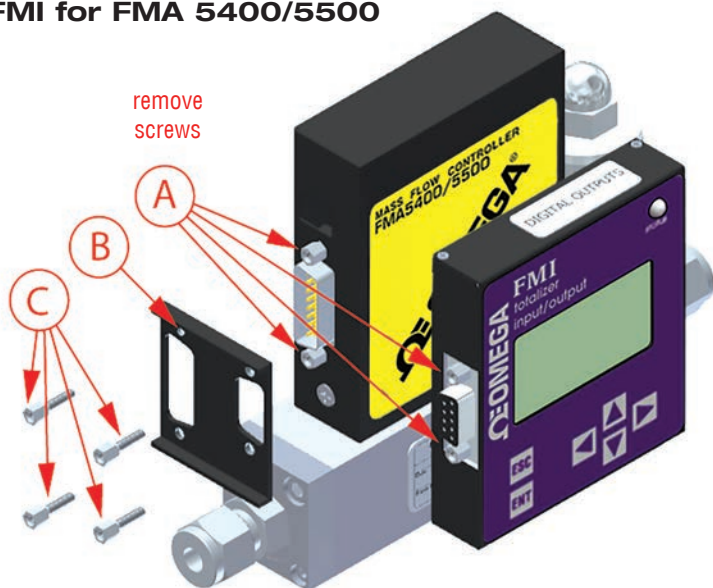
2.3 “**Fluid Std. Density**” parameter must be set according to mated device Operating Fluid density. This parameter is required only when mass based engineering units are selected.

- 2.3.1 From “**Calibration Menu**” scroll down to select “**Fluid Std. Density**” menu selection and press “**ENT**” button.
- 2.3.2 Using “**Up**”, “**Dn**”, “**Left**”, “**Right**” buttons, adjust the Fluid Std. Density parameter according to mated device **Operating Fluid** density in **gram/litr**. When done, press “**ENT**” button to save new settings.

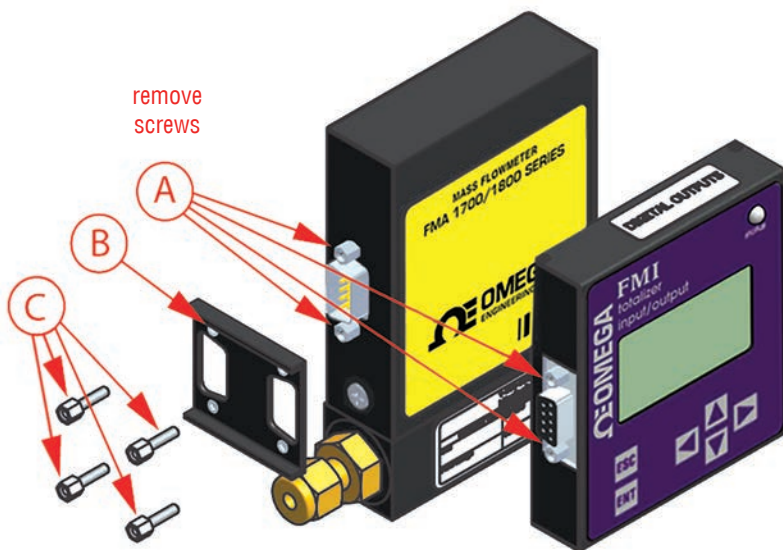


NOTE: If “**Full Scale Range**”, “**Device Function**” and “**Fluid Std. Density**” parameters are not set properly the device may have erroneous readings and unpredictable behavior.

Mounting FMI for FMA 5400/5500



Mounting FMI for FMA 1700/1800





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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

CAUTION:

This product is not intended to be used in life support applications!

CAUTION:

Some of the IC devices used in the instrument are static-sensitive and may be damaged by improper handling. When adjusting or servicing the device, use of a grounded wrist strap is recommended to prevent inadvertent damage to the integral solid-state circuitry.

CAUTION:

K-Factors at best are only an approximation.

K-Factors should not be used in applications that require accuracy better than +/- 5 to 10%.