FOAMPRO®

A Safe Fleet Brand

AccuMax Calibration Kit

The AccuMax Calibration Kit 3430-0831 provides the OEM or end user with an easy-to-use, accurate tool for calibrating the FoamPro AccuMax product line. It can be used for either single-point or multi-point systems. This kit is intended to replace the bulky, very inaccurate and hard-to-use calibration containers with a calibrated flowmeter device that is easy-to-use, accurate, and compact.

Regardless of the system this kit is used for, follow the procedures in the appropriate Operator's Manual for the system you are trying to calibrate or check calibration. The instructions below will help you operate the kit in a proficient manner.

- Assemble the calibration kit as shown in Figure 1. The kit comes with cam-lock fittings with 1" hose barbs for easy usage. The hose leading to the inlet should be 1" ID hose and the discharge hose going to the apparatus tank or a container should be 1" ID. The hose should be compatible with the foams being used and should have a pressure rating of at least 100 psi.
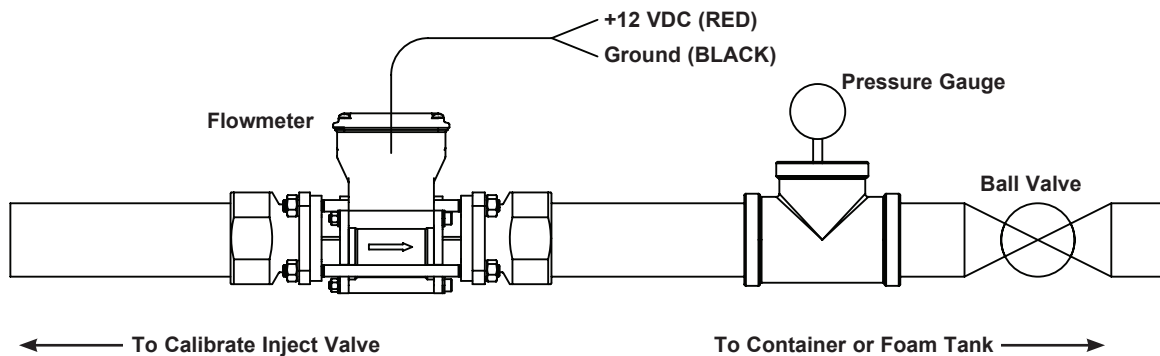

Figure 1

- Power for the flowmeter is 12 VDC and can be taken directly from the battery, from a separate clean 12 VDC source on the apparatus, or from a small 120 VAC wall charger converter that has a capacity of at least 500 mA at 12 VDC. The RED wire is +12 VDC and the BLACK wire is ground.

- The flowmeter supplied is equipped with software that has been set to the flow rate mode in US units (GPM). It may be necessary to change the flowmeter units to EU (LPM). To change the unit of measure, follow the instruction as follows :

  ► While powering up the flowmeter, press and hold the [▲ TOT] button on the device until the options menu appears [oPt]

  ► Press either button until [unIt] alternating with either 'EU' (lpm) or 'US' (gpm) is shown on the display

► To change the display to 'EU' or 'US', press and hold both buttons until $\boxed{SEt}$ is displayed.

► Press one of the buttons until 'EU' or 'US' is displayed.

► Confirm the selection by pressing both buttons until $\boxed{SAUE}$ is displayed.

► The $\boxed{oPt}$ will appear on the display.

► You can now disconnect the power and the flowmeter has been set to the units selected.

• The flowmeter has 2 modes of operation. One mode is the instantaneous flow rate mode, the other is the total flow mode. When the flowmeter is first powered up it will display:

► Software version: U 1.5

► Unit of measurement: $\boxed{GPN}$ or $\boxed{L\,lt}$

► Data displayed: $\boxed{0.00}$

► The flowmeter is now set to read the instantaneous flow rate by default and is ready for operation.

• To change the operating mode to the total flow mode, press the $\boxed{\blacktriangle\;TOT}$ button and the display will read $\boxed{tot}$ and then $\boxed{0.00}$. The flowmeter is now in the total flow mode. To change from the total flow mode to the instantaneous mode, press the $\boxed{\blacktriangle\;TOT}$ button and the display will read $\boxed{GPN}$ and then $\boxed{0.00}$.

• To reset the total flow displayed to '0', press and hold the $\boxed{\blacktriangledown\;RESET}$ button until $\boxed{rSt}$ is displayed. The display will then show $\boxed{tot}$ and then $\boxed{0.00}$. The flowmeter is now reset to 0.

• When calibrating an AccuMax system, it is important that the calibration is done with a back pressure on the foam pump of 55 to 75 psi. The calibration kit comes with a pressure gauge to read the back pressure and a ball valve to restrict the flow and cause the desired back pressure.

   CAUTION: The ball valve should always remain in an open condition to keep the system from exceeding the pressure rating of the system and causing possible damage.

• When storing the kit, flush with warm water until clean and store properly in the case provided.