



Buttons

- DIM/Pulse** Larger display can be dimmed by pressing the DIM button. Pressing the DIM button also turns the meter pulse output on and off to assist in trouble shooting.
- Up and Down** Use these buttons to change the calibration factor.
- Enter** Press this button to store the calibration value permanently.

Password is Needed to Change Settings

- Password** Calibration settings are password write protected. After powering on, hold down the Up/Down/Enter buttons simultaneously to initiate and enter "696" as the password (See photo on page 1). After entering the password, the blue LED will turn on and the calibration setting can be modified and stored. The password and blue LED will time out automatically.

LEDS Function

- GREEN LED** The GREEN LED is lit to show power is on. The GREEN LED turns off if the calibration value displayed is not the stored value. Once you store the displayed calibration value it will turn green again.

Green LED ON	Green LED OFF	Green LED ON
The Value shown on the screen is the stored value that they have entered	The value on the screen is a "NON stored value" that is being changed	They just pushed the enter button

- RED LED** The Red LED pulses with meter pulse. Red LED and PULSE Output is set to ON at power up to assist in diagnostics by using a Multimeter to trace the Voltage on the meter pulse wire back to the Batch computer. **The red LED may stay on at the end of a batch if the system stopped halfway into the current pulse. It will remember that it is halfway to start the next batch.**
- BLUE LED** Is On when a password has been entered. The calibration setting can only be modified and stored when the blue LED is on.

BLUE LED ON	BLUE LED OFF
Calibration Factor can be changed	Calibration Factor CANNOT be changed

Internal Switch SW1 for power supply selection:



Status LED

The status LED on the side of the meter is green under normal operation and pulses as there is flow. Under an error condition the LED will pulse red in different patterns indicating the error.



Error detection items and patterns of indications

Error detection item	Priority	Patterns of indication
Low power voltage detection	1	No-LIGHTING of the both green and red
Excitation error detection or Memory error detection	2	Continuous LIGHTING
No-water detection	3	Repeating of 1 time of 0.3 second LIGHTING and 2 second of NO-LIGHT
Excessive liquid noise detection	4	Repeating of 3 times of 0.3 second LIGHTING and 0.3 second of NO-LIGHT + 1.7 second of NO-LIGHT
Reverse-flow detection	5	Repeating of 2 times of 0.3 second LIGHTING and 0.3 second of NO-LIGHT
Excessive flow-rate detection	6	Repeating of 4 times of 0.3 second LIGHTING and 0.3 second of NO-LIGHT

LED Displayed Error Messages

Err1 on display is Error 1. System failed to boot from a hardware error.

Err2 on display is Error 2. System failed to boot from a communication error.

Err3 on display is Error 3. System failed to communicate with the Mag meter from a bad power reset/cycle.

To clear the error, power the meter off for 10 seconds and then power it back on.

Wiring Information

