

# Setup

## Keypad Buttons

The buttons on the keypad are used to select meter functions and enter PIN codes. See FIG. 5:

- left arrow up (A)
- right arrow down (B)
- center arrow up (C)
- center arrow down (D)

**NOTE:** Asleep / Awake - *Asleep* is a battery-saving mode in which the display goes blank after 2 minutes of inactivity during normal operation. The display comes *awake* from sleep mode when any button is pressed, or when the trigger is pulled.

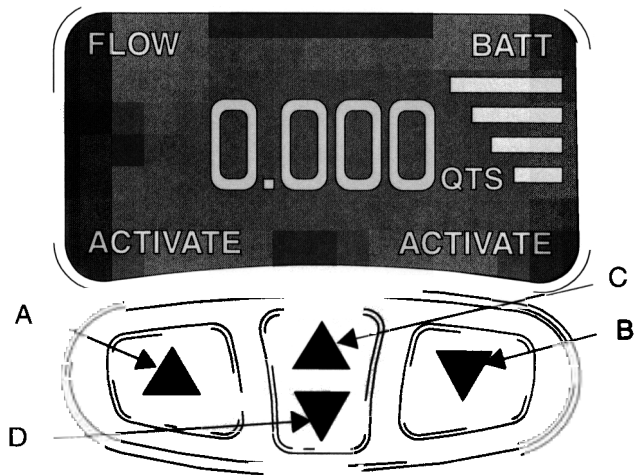


FIG. 5

## Dispense Flow Trigger

The electronic meter dispenses fluids at two different rates. As the trigger is pulled the first stage dispenses at a slow rate and is indicated on the meter display with two bars under FLOW.

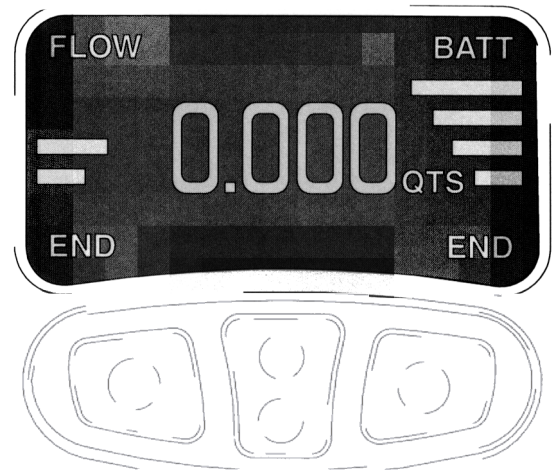


FIG. 6

As the trigger continues to be pulled the meter dispenses at a higher rate which is indicated on the display with four bars under FLOW.

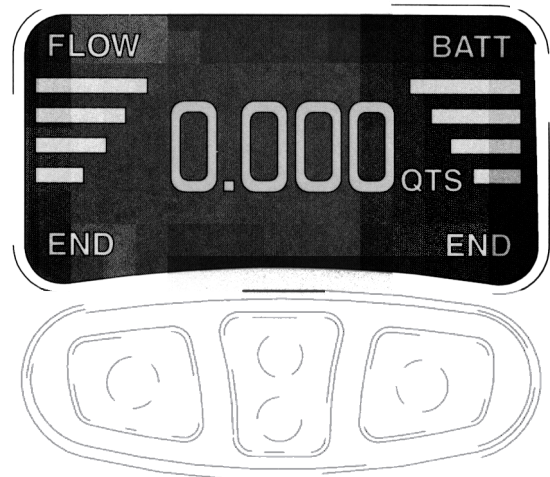


FIG. 7

## Battery Charge Indicator

On the right side of the display is a series of four bars under the word BATT. See FIG. 9. The presence of all four bars indicates a fully charged battery. The bars decline in number as the battery discharges when the meter is used. When one bar is shown the battery needs to be recharged.



FIG. 8

## Security

When the meters were originally programmed one of the following security choices was entered:

- Tracking mode
- PIN Code
- Parts Room Security mode.

Depending on the security mode selected, prior to dispensing it may be necessary to complete one of the following security procedures.

### Tracking Mode

When set for tracking mode no security authorization is required.

## Pin Code Security Dispense Mode

Pin Code Security can be used with either the manual or preset dispense modes. To use a meter with Pin code security:

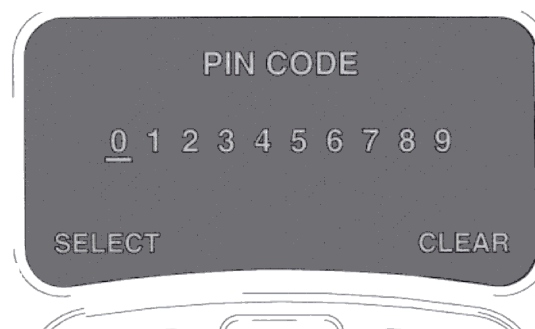


FIG. 9

1. Enter the operator 4-digit pin code using the left arrow and right arrow buttons. The clear button erases the last selection and allows a new selection to be made. The meter displays an asterisk for each digit that is entered. See FIG. 9.
2. When the pin code is complete, press "Enter" to send the signal for authorization to dispense from the PC.
3. The PC authorizes the dispense.

### Parts Room Security Mode

This mode provides high level security and requires a Parts Room administrator to authorize each dispense from the PC.

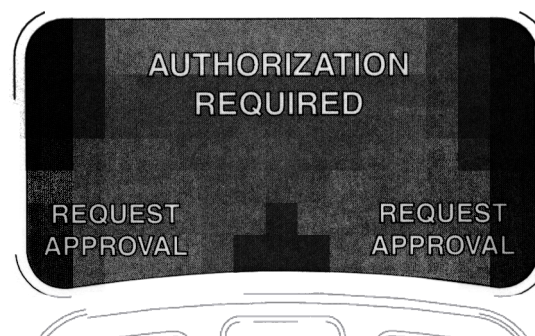


FIG. 10

1. Press Request Approval. This sends the request to Parts Room Administrator's PC for authorization.
2. The administrator grants authorization at PC which then authorizes the meter to dispense.

# Operation

## Pre-programmed Dispense Options

The meter dispense options were programmed using the Matrix software at the time the meter(s) were first set up. The meter is programmed for either:

Manual Dispense Mode

Preset Dispense Mode

**NOTE:** To change the meter from one mode to another it is necessary to reprogram the meter. See **Programming the Meter** on page 5.

## Dispensing Fluid in Manual Mode

This mode provides meter operators with the greatest level of simplicity. To dispense fluids in this mode:

If necessary enter the PIN code or Parts Room Authorization request.

2. Press the left down arrow button under activate the meter to begin communications with the PC. Both ACTIVATE words on the display screen will change to END.
3. Pull the meter trigger to dispense. The meter counts up to desired amount.
4. Release the trigger to complete dispense.
5. Press the right arrow down button to end the job. This logs the dispense to the PC and returns the meter to the cleared "Activate" screen.

**Note:** if "End" is not pressed, the meter will time out and log dispense to the PC.

## Dispensing Fluid in Preset Mode

This mode provides meter operators with the ability to preset the amount to be dispensed. The meter automatically shuts off when the preset amount is dispensed.

1. If necessary enter the PIN code or Parts Room Authorization request. The preset default amount entered into the PC will appear on the meter.

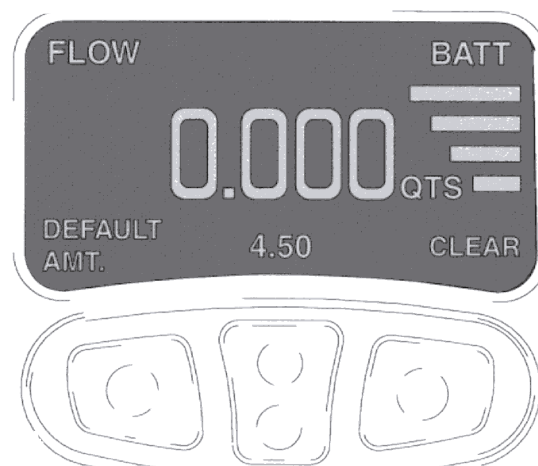


FIG. 11

2. Press the center up arrow button or center down arrow button to change the preset amount.

*OR*

3. Press the right arrow down button under the word CLEAR to zero out the preset amount. The center arrow buttons can then be used to adjust the amount of fluid to be dispensed. See FIG. 11.
4. Pull the meter trigger to start dispense. The meter dispenses the preset amount and shuts off.

**Note:** flow can be stopped at any time during this dispense by pressing any button on the meter.

**Note:** Once the preset amount is dispensed the meter display automatically changes to read "Top Off". This allows the operator to add a small amount of additional fluid if necessary.

5. Press END to complete the job. See FIG. 12. This logs the dispense to the PC and returns the meter to the cleared Operating screen.

**Note:** if “End” is not pressed the meter will time out and log the dispense to the PC.

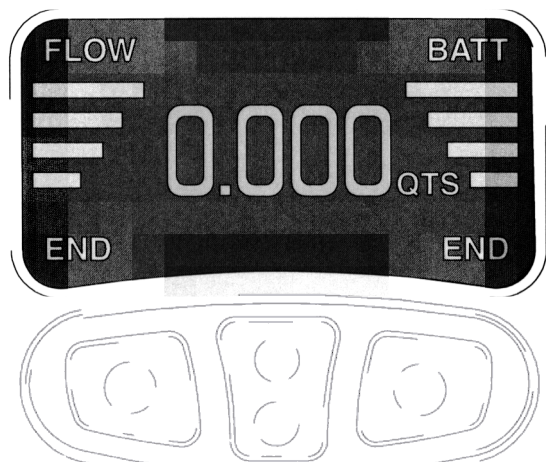


FIG. 12

### Removing and Replacing the Battery

1. Remove the battery by pressing in on both battery lock buttons (E) and pulling the battery (F) out and away from the meter. See FIG. 13.
2. Place the battery in the battery charger following the Recharging Batteries procedure in manual 309502.
3. Replace the battery by pressing in on both battery lock buttons (E) and pushing the battery (F) in to the meter. See FIG. 13.

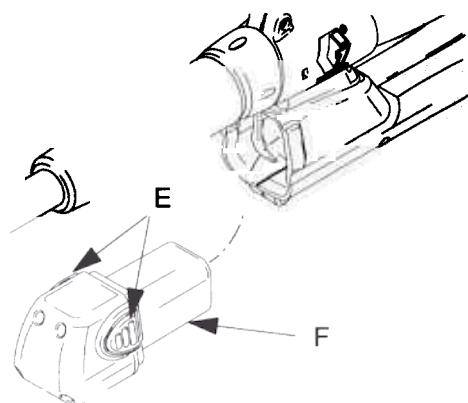


FIG. 13

### Quick-Lock™ Nozzle

1. To close the nozzle to prevent dripping, rotate left (counter clockwise) until tight (approximately 1/4 turn). See FIG. 14.
2. To open the nozzle for dispensing, rotate right (clockwise) until fully open (approximately 1/4 turn).

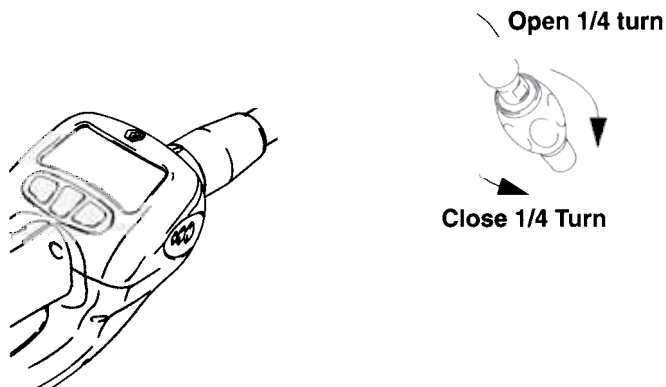


FIG. 14

### Blackout Mode (no signal)

If for any reason the communication link to the computer is lost, the meter will enter a safety back-up mode.

The meter will continue to operate and store data which will be transmitted when the communication link is restored.