

## Chapter 4: Activating and Reading the E-CODER®)R900i™

This chapter defines how to read the E-CODER®)R900i™ to identify water leaks.

### Activating the LCD Using the Solar Panel

The E-CODER has a solar panel to power the Liquid Crystal Display (LCD).

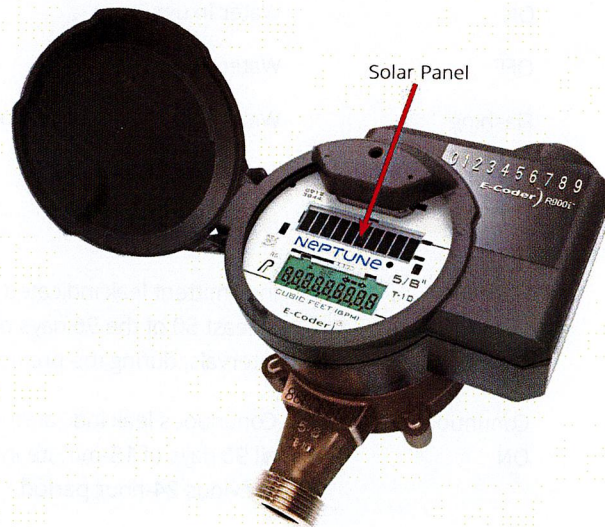


Figure 12 – Solar Panel for the E-CODER®)R900i™

The solar panel activates the LCD display when the unit is exposed to a light source. If the LCD does not reactivate as expected, shine a flashlight on the light sensor.

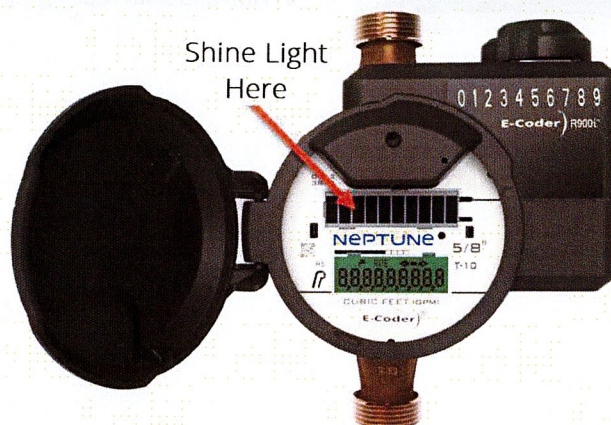


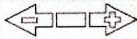

Figure 13 – Activating the E-CODER®)R900i™

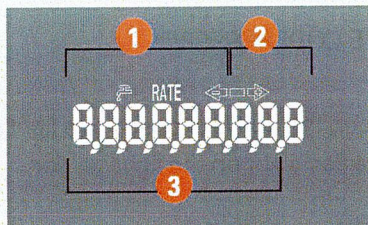


## Read the Meter

The following table defines the information the meter presents.

Table 2 – Icons and Displays

Icon	Description
	Flow / Leak Indicator shows the direction of flow through the meter:
	ON Water in use.
	OFF Water not in use.
	Flashing Water is running slowly / low flow indicator.
	Leak indicator displays a possible leak:
	OFF No leak indicated.
	Flashing Intermittent leak indicated. Water used during at least 50 of the 96 days of 15-minute intervals, during the previous 24-hour period.
	Continuous ON Continuous leak indicated. Water used during all 96 days of 15-minute intervals, during the previous 24-hour period.



Nine-digit LCD displays the meter reading in billing units of measure. The number displays in odometer style, reading left to right:

- First four digits – typical billing digits.
- Last three digits – testing units used for meter testing.
- Fifth and sixth reading digits – reading units.



## Common Causes of Leaks

If the E-CODER®R900/ leak indicator is flashing or continuously on, it indicates a possible leak. The following table defines common causes of leaks.

Table 3 – Causes of Leaks

Possible Cause of Leak	Intermittent Leak	Continuous Leak
Outside faucet, garden hose, or sprinkler system leaking	✓	✓
Toilet valve not sealed properly	✓	✓
Toilet running		✓
Faucet in kitchen or bathrooms leaking	✓	✓
Ice maker leaking		✓
Soaker hose in use		✓
Leak between the water meter and the house		✓
Washing machine leaking	✓	✓
Dishwasher leaking	✓	✓
Hot water heater leaking		✓
Yard watered for more than eight hours	✓	✓
Continuous pet water device in use		✓
Water-cooled air conditioner or heat pump	✓	✓
Swimming pool filled		✓
Other continuous use of water for 24 hours		✓

