

## How to Read Your Meter

### How can I take a reading from my water meter myself?

In order to maximize the life of the water meter's internal battery, the LCD display on the new Neptune E-Coder R900i water meters remains off until activated with a light.

1. Using an ordinary flashlight, shine the light over the "light sensor" hole on the face of the meter for a few seconds.
2. Once activated, the LCD display will alternate every six seconds from displaying the current meter reading to the current rate of flow.

### How to tell if water is in use:

To determine if water is in use, complete the following steps:

- 1 Check the flow indicator by closely watching it for two minutes.
  - 2 Determine the following conditions:
    - If the arrow is Flashing, then water is running very slowly.
    - If the arrow is continuously ON, water is running.
    - If the arrow does not flash, water is not running.

### If a continuous leak is found and repaired, complete the following steps:

1. Use no water for at least 15 minutes.
2. Check the leak indicator.
3. If the leak has been correctly repaired, the leak icon changes from **On Continuously** to **Flashing**.

### If an intermittent leak is found and repaired, complete the following steps:

1. Check the leak indicator after at least 24 hours.
2. If the leak is OFF, then a leak is no longer indicated.

- Replaceable Battery ①
- Antenna ②
- Light Sensor ③
- Flow Indicators ④
- Date of Manufacture ⑤
- LCD Display ⑥
- T-10 Meter ⑦



	<p><b>LIGHT SENSOR</b> Recessed under the small hole near the center of the faceplate of the E-CoderR900i, supplies the power for the LCD panel (light activated) as well as the activation of the data logging extraction.</p>
	<p><b>FLOW INDICATOR</b> Shows the direction of flow through the meter:  <b>ON</b> Water in use.  <b>OFF</b> Water not in use.  <b>Flashing</b> Water is running slowly.  <b>(-)</b> Reverse flow.  <b>(+)</b> Forward flow.</p>
	<p><b>LEAK INDICATOR</b> Displays a possible leak:  <b>OFF</b> No leak indicated.  <b>Flashing</b> Intermittent leak indicates that water has been used for at least 50 of the 96 15-minute intervals during a 24-hour period.  <b>On Continuously</b> Indicates water use for all 96 15-minute intervals during a 24-hour period.</p>
<b>RATE</b>	<p><b>RATE OF FLOW</b> Average flow rate is displayed every six seconds on LCD display.</p>
<b>RF LOG</b>	<p><b>DATA LOGGING</b> displayed on LCD during extraction of data logging consumption data. *"DL" on dial face denotes data logging</p>
	<p><b>LCD DISPLAY</b> Nine-digit LCD displays the meter reading in billing units of measure: U.S. gallons, cubic feet, Imperial gallons, or cubic metres.</p> <ul style="list-style-type: none"> <li>① E-Coder Basic Reading/Customary 6-digit remote reading</li> <li>② Customary sweep hand digits</li> <li>③ E-CoderPLUS Reading (8-digit remote reading)</li> <li>④ Testing units used for diagnostics</li> <li>⑤ Extended reading units</li> <li>⑥ Customary billing units</li> </ul>

## Common Causes of Leaks

If the leak indicator is flashing or continuously on, the E-Coder)R900i is indicating that a possible leak can exist. Leaks can result from various circumstances. To better help you identify a possible leak, the following table contains some common causes of leak problems.

**Table 3 Possible Leaks**

Possible Cause of Leak	Intermittent Leak	Continuous Leak
Outside faucet, garden or sprinkler system leaking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Toilet valve not sealed properly	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Toilet running		<input checked="" type="checkbox"/>
Faucet in kitchen or bathrooms leaking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ice maker leaking		<input checked="" type="checkbox"/>
Soaker hose in use		<input checked="" type="checkbox"/>
Leak between the water meter and the house		<input checked="" type="checkbox"/>
Washing machine leaking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dishwasher leaking	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hot water heater leaking		<input checked="" type="checkbox"/>
Watering yard for more than eight hours	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Continuous pet feeder		<input checked="" type="checkbox"/>
Water-cooled air conditioner or heat pump	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Filling a swimming pool		<input checked="" type="checkbox"/>
Any continuous use of water for 24 hours		<input checked="" type="checkbox"/>