

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



	LIGHT SENSOR Recessed under the small hole near the center of the faceplate of the E-Coder(R)900i, supplies the power for the LCD panel (light activated) as well as the activation of the data logging extraction.
	FLOW INDICATOR Shows the direction of flow through the meter: ON Water in use. OFF Water not in use. Flashing Water is running slowly. (-) Reverse flow. (+) Forward flow.
	LEAK INDICATOR Displays a possible leak: OFF No leak indicated. Flashing Intermittent leak indicates that water has been used for at least 50 of the 96 15-minute intervals during a 24-hour period. On Continuously Indicates water use for all 96 15-minute intervals during a 24-hour period.
RATE	RATE OF FLOW Average flow rate is displayed every six seconds on LCD display.
RF LOG	DATA LOGGING displayed on LCD during extraction of data logging consumption data. *"DL" on dial face denotes data logging
	LCD DISPLAY Nine-digit LCD displays the meter reading in billing units of measure: U.S. gallons, cubic feet, Imperial gallons, or cubic metres. ① E-Coder Basic Reading/Customary 6-digit remote reading ② Customary sweep hand digits ③ E-CoderPLUS Reading (8-digit remote reading) ④ Testing units used for diagnostics ⑤ Extended reading units ⑥ Customary billing units

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		
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		
Watering yard for more than eight hours		
Continuous pet feeder		
Water-cooled air conditioner or heat pump		
Filling a swimming pool		
Any continuous use of water for 24 hours		