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 <u>flow indicator</u> 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 <u>continuous leak</u> is found and repaired, complete the following steps:

1. Use no water for at least 15 minutes.

2. Check the <u>leak indicator</u>.

3. If the leak has been correctly repaired, the leak icon changes from **On Continuously** to **Flashing**.

If an <u>intermittent leak</u> is found and repaired, complete the following steps:
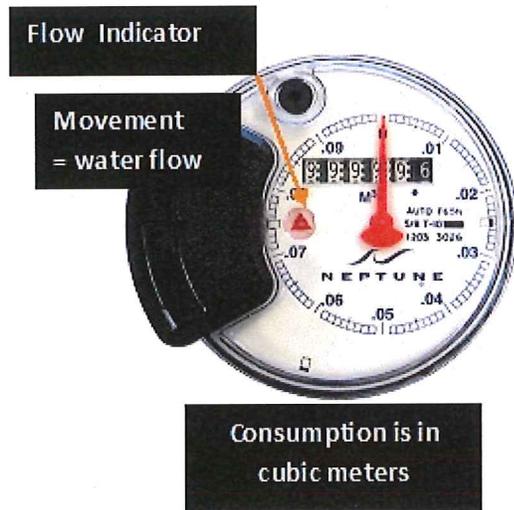
1. Check the <u>leak indicator</u> after at least 24 hours.

2. If the leak is OFF, then a leak is no longer indicated.

Replaceable Battery **1**
Antenna **2**
Light Sensor **3**
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LIGHT SENSOR
Recessed under the small hole near the center of the faceplate of the E-Coder)R900*i*, 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

Pro-read water meter

Flow Indicator

Movement = water flow

Consumption is in cubic meters

Your water meter features an analog readout in units of cubic meters. If you'd like to read your water meter to assist with your own home water conservation efforts, here's how:

- Take a reading at a set time of day.
- Take a second reading at the same time the next day.
- The difference between the two readings is your daily water consumption.

* Note: The meter records consumption in cubic meters. The last digit is a decimal point, so the consumption in the example above is 99999.6 cubic meters. The flow indicator (red triangle) measures flow and will spin when water is flowing through the meter. The sweep hand completes ten revolutions for every cubic metre.

Checking for leaks:
Your water meter is equipped with leak detection technology. To check your home for leaks, turn off all the faucets and water consuming appliances so that no water is running anywhere in the home. Observe the meter. If the flow indicator (red triangle) is spinning, there is a leak somewhere in your water system.