Oconee County Water Meter Facts:

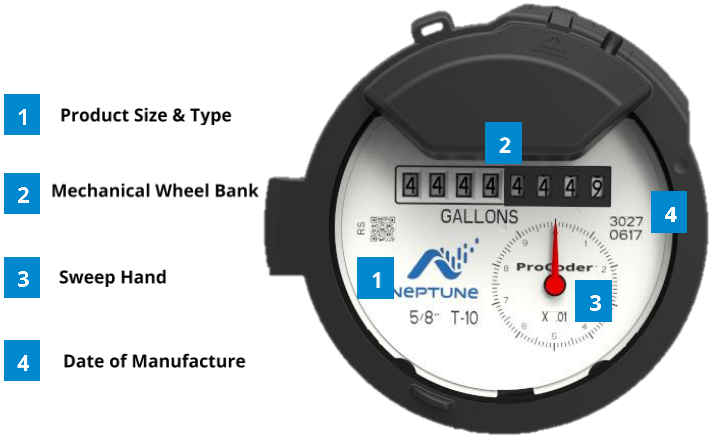
- The meter is owned and maintained by Oconee County
- The homeowner is responsible for keeping a 3 foot radius clear for meter access at all times. If the county needs to remove plants, trees or decorative fixtures of any type within this 3 foot radius, it will be the homeowners responsibility for disposal of such.
- The meter is generally located in a small box in the ground near the street or the edge of the property.
- It registers in gallons all of the water used in your home or building, as well as outdoor water use.
- Most meters have electronic reading devices that allow the meter reader to capture the reading remotely.
- Meters are read monthly.
- All meters are calibrated and tested in the factory before they are shipped to Oconee County.
- The design of the water meter does not allow the County to adjust the dials.
- Much like an automobile or other mechanical device, the meter slows down with age and can eventually stop registering completely, but it cannot run faster than it was designed to run. The mechanical parts are not capable of "speeding up" or registering a significantly higher reading than actual.
- The meter dial is like the odometer on your car. It reads your water consumption and is a cumulative total of the water that has run through that meter since it was installed.
- You can determine the consumption for a period of time by comparing the beginning reading to the ending reading.
- As water flows through the meter, internal mechanisms turn to register usage by the gallon.

Please note – many times you cannot hear a running toilet. A simple and cost-effective method to test to see if a running toilet may be increasing your bill would be to color the water in the holding tank with dye strips or food coloring and do not flush for 6 – 8 hours. If there is no color in the bowl after this time, check to make sure that the color remains in the holding tank. If the bowl is clear of color and the tank is still holding color after 6 – 8 hours, repeat the test in another toilet. If the color has moved to the bowl or if the bowl and the holding tank are both now clear, the hardware in the back of the tank needs to be replaced.

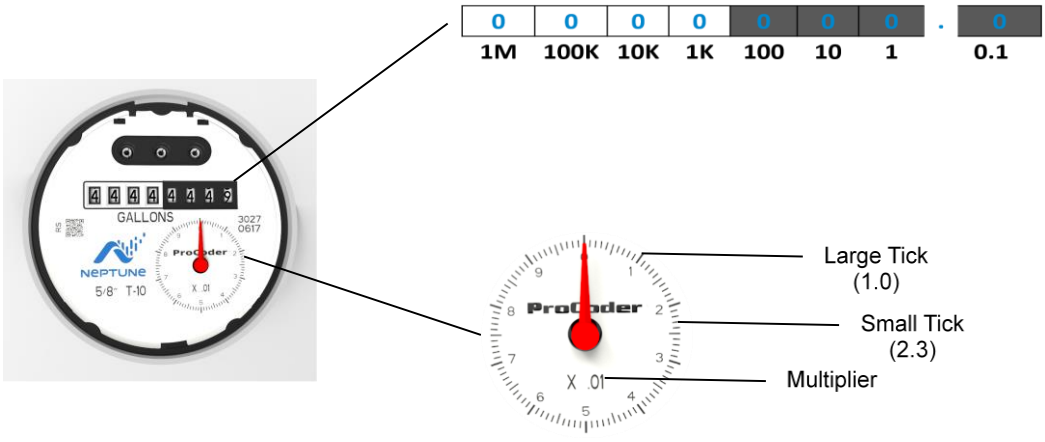
Following you will see the most typical water meters utilized by Oconee County:

How to Read the Neptune® ProCoder™ Register

Below is the face of the ProCoder™ register.



It is important to know all the components of the ProCoder register and how to interpret them.



1600 Alabama Highway 229, Tallassee, AL 36078 USA Tel: (800) 633-8754 Fax: (334) 283-7293 neptunetg.com

To read the Neptune ProCoder register, look at the mechanical wheel bank first.

0	0	0	0	0	0	0	0

The wheel bank contains 8 digits for a high resolution direct read. Unit places will depend on the size of the meter and units of measure. The tables below show the eighth digit on the display for each size and type of meter and unit of measure.

8th Digit on Display					
	Size	**G**	**ft^3**	**m^3**	**IG**
T-10® (Includes disc side of TRU/FLO®)	5/8"	0.1	0.01	0.001	0.1
	3/4"	0.1	0.01	0.001	0.1
	1"	0.1	0.01	0.001	0.1
T-10 (Includes disc side of HPPIII)	1.5"	1	0.1	0.01	1
	2"	1	0.1	0.01	1

8th Digit on Display					
	Size	**G**	**ft^3**	**m^3**	**IG**
HP Turbine (Includes FS Turbine, HPPIII, Turbine side of TRU/FLO)	1.5"	1	0.1	0.01	1
	2"	1	0.1	0.01	1
	3"	1	0.1	0.01	1
	4"	1	0.1	0.01	1
HP Turbine (Includes FS Turbine, HPPIII, Turbine side of TRU/FLO)	6"	10	1	0.1	10
	8"	10	1	0.1	10
	10"	10	1	0.1	10

Next, look at the ProCoder sweep hand to better understand how to read it.

A typical ProCoder sweep hand contains 10 large ticks numbered 0-9. Between each large tick, there are 9 small ticks numbered .1 - .9. Depending on the size and meter type, a multiplier will also be present and located below the red hand. Let's demonstrate how to read the sweep hand.

Read as 2.0
Multiplier is .01
2.0 x .01 = .02 or two hundredths

Another example:

Read as 6.7
Multiplier is .01
6.7 x .01 = .067 or sixty-seven thousandths

The tables below show the multiplier based on each size and type of meter and unit of measure.

Sweep Hand Multipliers					
	Size	**G**	**ft^3**	**m^3**	**IG**
T-10 Meters	5/8"	0.01	0.001	0.0001	0.01
	3/4"	0.01	0.001	0.0001	0.01
	1"	0.01	0.001	0.0001	0.01
	1.5"	0.1	0.01	0.001	0.1
	2"	0.1	0.01	0.001	0.1

Sweep Hand Multipliers					
Trident Turbine/ TF 'High Side'	**Size**	**G**	**ft^3**	**m^3**	**IG**
	3"	1	0.1	0.01	1
	4"	1	0.1	0.01	1
	6"	10	1	0.1	10

Sweep Hand Multipliers					
HP Turbine/ HPPS	**Size**	**G**	**ft^3**	**m^3**	**IG**
	1.5"	1	0.1	0.01	1
	2"	1	0.1	0.01	1
	3"	1	0.1	0.01	1
	4"	1	0.1	0.01	1
	6"	10	1	0.1	10
	8"	10	1	0.1	10
	10"	10	1	0.1	10

Sweep Hand Multipliers					
HPPIII 'High Side'	**Size**	**G**	**ft^3**	**m^3**	**IG**
	4"	1	0.1	0.01	1
	6"	10	1	0.1	10
	8"	10	1	0.1	10
	10"	10	1	0.1	10

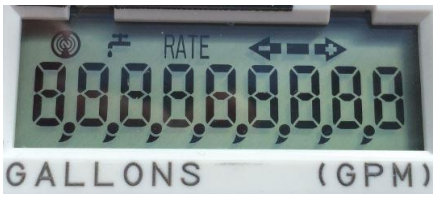
ARB® UTILITY MANAGEMENT SYSTEMS™

NEPTUNE TECHNOLOGY GROUP

How to Read the Neptune E-Coder® Register

To read your Neptune E-Coder® register, expose the solar panel to sunlight or shine a bright light (i.e. flashlight or cell phone flashlight), and the display will activate.

When activated, the LCD display will first show a segment test:



This screen will be followed by the display of the E-Coder's manufacturing configuration, followed by two (2) reading screens:

Reading - Shows the current read with comma separators and decimal place, after initial activation this screen displays for 20 seconds before toggling to Rate Screen. Each additional Read Screen displays for 8 seconds. The below image shows a reading value of 179.21 (one hundred, seventy-nine) US gallons.

Flow Rate - When the screen toggles, the rate of flow is visible and is shown in gallons per minute for four seconds. Then it toggles back to the read screen. The image below shows a flow rate of 50.7 (fifty) gpm.

	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 the previous 24-hour period. **On Continuously** Indicates water use for all 96 15-minute intervals during the previous 24-hour period.
RATE	**RATE OF FLOW** Average flow rate is displayed every twelve (12) seconds on LCD display.
	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)

1600 Alabama Highway 229, Tallassee, AL 36078 USA Tel: (800) 633-8754 Fax: (334) 283-7293 neptunetg.com