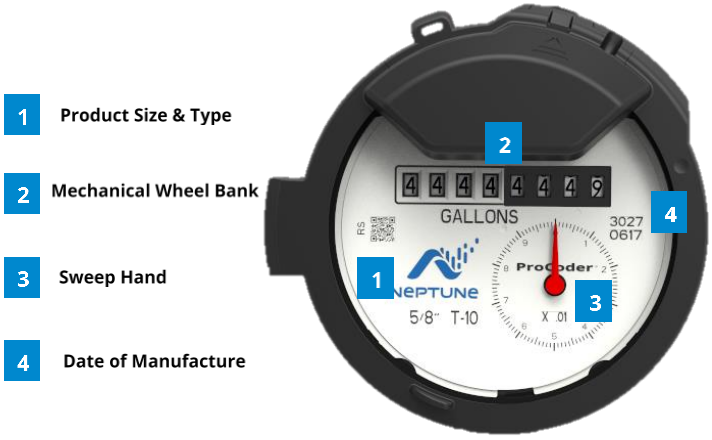
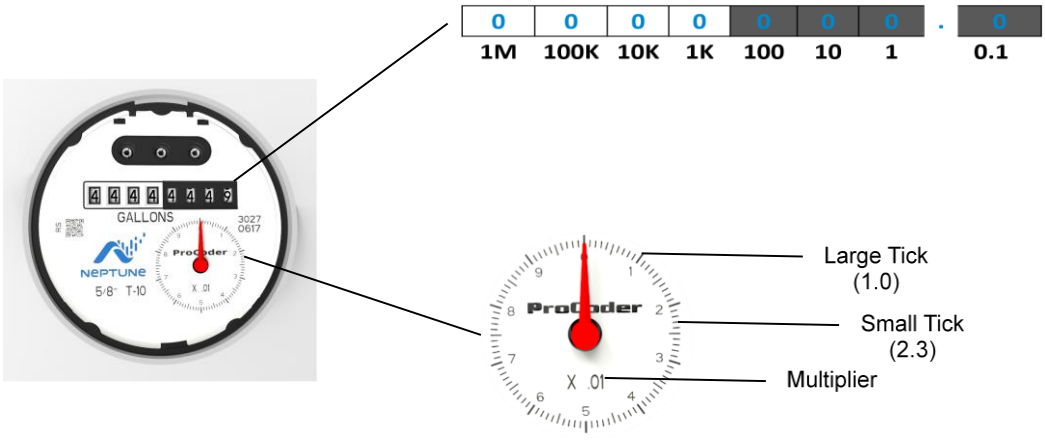
How to Read the Neptune® ProCoder™ Register

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.



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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

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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

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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

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