

Sensor Life, And How to Tell the Manufacture / Expected Expiry Date

This guide will show you how to identify the expiry date of most portable equipment sensors.

Type of Sensor	Equipment Used In	Expected Life Expectancy
O2 Sensor	Marine4 and Tankscape	2 Years
CO/H2S Sensor	Marine4 and Tankscape	3 Years
H2S Sensor	Tankscape	3 Years
LEL Sensor	Marine4	5 Years
LEL Sensor	Tankscape	5 Years

Warranty on all these sensors is 2 years.

For the O2, CO/H2S, H2S, LEL (Marine4) sensors, first you need to use the serial number to find the manufacture date. The last three digits of the sensor serial number shows the manufacturing date, with the first two digits showing the month (example; 01 = January, 02 = February, etc), with the last digit showing the year of manufacture (example; 1 = 2011, 2 = 2012, etc). Examples below.



O2 Sensor
058 = May 2018



H2S Sensor
097 = September 2017



CO/H2S Sensor
117 = November 2017



LEL Sensor
068 = June 2018

Once you have established the manufactured date, the expected expiry date will be dictated by the expected lifespan of the sensor. For example, if you have an O2 Sensor with the serial number "O2-A2 34833452 056", then this sensor was manufactured in May 2016 (05 = May - 6 = 2016). The O2 Sensor has an expected lifespan of two years, so this sensor would be expected under normal usage to expire May 2018.

For the LEL (Tankscape) Sensor, the first two letters of the serial number give you the manufacturing date. The table below explains this.

Year	1 st Letter	Month	2 nd Letter
2011	R	Jan	N
2012	S	Feb	P
2013	T	Mar	Q
2014	U	Apr	R
2015	V	May	S
2016	W	Jun	T
2017	X	Jul	U
2018	Y	Aug	V
2019	Z	Sep	W
		Oct	X
		Nov	Y
		Dec	Z



In the example above, the first V represents 2015, and the second V represents August, so the sensor was manufactured 2015. As the expected lifespan is five years, this sensor would be expected to expire August 2020.

In 2020, the date code convention was amended and is now made up of one letter and one number, explained by the below table.

YEAR		MONTH	
2020	A	January	1
2021	B	February	2
2022	C	March	3
2023	D	April	4
2024	E	May	5
2025	F	June	6
		July	7
		August	8
		September	9
		October	A
		November	B
		December	C



E.g. 'C1' indicates a sensor manufactured January 2022.

If you are unsure about the codes displayed on your sensor, or you have a sensor not noted in this document, please provide a photo of the sensor to Martek to verify its validity.