



<b>PRODUCT SPECIFICATION</b>			
<b>PART NO.:</b>	<b>TEHL-2</b>		
<b>DESCRIPTION</b>	<b>TPMS External Heavy Large Bore Sensor – Gen 2</b>		
<b>DOCUMENT NO.:</b>	<b>SP-TEH-2-A</b>	<b>ISSUE:</b>	<b>A</b>

## PRODUCT INTRODUCTION

This document details the technical specification for the following product: **TPMS External Heavy Large Bore Sensor – Gen 2 (TEHL-2)**. This product is designed for use on large bore external Tyre valve stems of tyres with pressures up to 188PSI. Once screwed onto the tyre valve, the sensor will auto-calibrate to the tyre pressure and transmit tyre pressure and temperature data. Low tyre pressure, high tyre air temperature increase the rate data is transmitted. The sensor thread is made out hard nylon to prevent bi-metallic corrosion found in sensors with brass valve inserts and reduce weight.

## PRODUCT APPEARANCE AND DIMENSIONS

Appearance – Top	Appearance - Side	Appearance - Bottom	Dimensions
			<b>Diameter = 25.5mm</b> <b>Height = 25.2 mm</b> <b>Weight = 15g</b>

## TECHNICAL SPECIFICATIONS

General Specification			
<b>Product</b>	TPMS External Heavy Large Bore Sensor – Gen 2 (TEHL-2)		
<b>HF Frequency</b>	433.92 MHz		
<b>Frequency Stability</b>	± 20KHz		
<b>Modulation Frequency</b>	9.6KHz		
<b>Modulation Type</b>	FSK		
<b>Battery &amp; Operation Voltage</b>	Murata CR2032W 2.1-3.0V		
<b>High Frequency Power</b>	≤8dBm		
<b>Ingress Protection Rating</b>	IP67		
<b>Pressure Accuracy</b>	± 1.5 PSI (0.1 Bar)		
<b>Temperature Accuracy</b>	± 3°C		
<b>Transmission Range</b>	100m+		
<b>Operating Current</b>	< 14.5mA		
<b>Standby Current</b>	< 3µA		
<b>Operating Temperature</b>	-40°C-120°C		
<b>Storage Temperature</b>	-40°C-125°C		
<b>Calculated Battery Life</b>	3-5 Years		
<b>Company</b>	<b>Sign</b>	<b>Company</b>	<b>Sign</b>
Wheely Safe	<i>G. Broadfield</i>	Autotech	<i>S. Chen</i>