



PRODUCT SPECIFICATION			
PART NO.:	TEH-2		
DESCRIPTION	TPMS External Heavy Sensor – Gen 2		
DOCUMENT NO.:	SP-TEH-2-A	ISSUE:	A

PRODUCT INTRODUCTION

This document details the technical specification for the following product: **TPMS External Heavy Sensor – Gen 2 (TEH-2)**. This product is designed for use on the external stem of tyres for 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	Dimensions
		Diameter = 25.5mm Height = 21.7mm Weight = 14g

TECHNICAL SPECIFICATIONS

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