



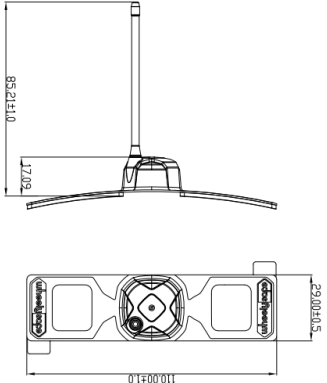


PRODUCT SPECIFICATION			
PART NO.:	TIH-2		
DESCRIPTION	TPMS Internal Heavy Sensor - Gen2		
DOCUMENT NO.:	SP-TIH-2 -A	ISSUE:	A

PRODUCT INTRODUCTION

This document details the technical specification for the following product: **TIH-2 (TPMS Internal Heavy Sensor – Gen2)**. This product is designed for internal use of large and small vehicle tyres, reading pressures of 0PSI to 188PSI. The **TIH-2** is designed with all of the Wheely-Safe design principles in mind (robust, sealed, small and light weight). The sensor will auto-calibrate to the pressure, auto-pair with the vehicle receiver, then transmit the pressure and temperature data from the tyre. Increasing sending frequency with worsening tyre conditions.

PRODUCT APPEARANCE AND DIMENSIONS

Orientation Top	Orientation Side	Dimensional
		

TECHNICAL SPECIFICATIONS

General Specification	
Product	TIH-2 (TPMS Internal Heavy Sensor – Gen2)
HF Frequency	433.92MHz
Frequency Stability	±20KHz
Modulation Frequency	9.6KHz
Modulation Type	FSK
Operation Voltage	2.5-3.0V
Operating Temperature	-40°C-125°C
Storage Temperature	-40°C-125°C
Ingress Protection Rating	IP67
Weight	19g±2g
Dimensions	110 x 85 x 29mm
High frequency power	≤5dBm
Operating current	< 2µA
Standby current	< 2µA
Pressure accuracy	±0.1bar(1.5PSI)
Temperature accuracy	±3°C



PRODUCT SPECIFICATION

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Company	Sign	Company	Sign
Wheely Safe	<i>G Broadfield</i>	Autotech	<i>S Chen</i>