



PRODUCT SPECIFICATION			
PART NO.:	WL-2		
DESCRIPTION	Wheel Loss Sensor		
DOCUMENT NO.:	SP-WL-2-A	ISSUE:	A

## PRODUCT INTRODUCTION

This document details the technical specification for the following product: **WL-2**. This Gen2 Wheel Loss Sensor provides wireless in motion detection of loose wheel nuts after approximately one turn of the wheel nut. The sensor also monitors wheel rim temperature.

## PRODUCT APPEARANCE AND DIMENSIONS

Orientation Top	Orientation Side	Dimension
		Height – 21mm Diameter – 27mm Weight – 16.3g

## TECHNICAL SPECIFICATIONS

General Specifications	
Product	Wheel Loss Sensor (WL-2)
HF Frequency	433.92MHz
Frequency Stability	$\leq \pm 20\text{KHz}$
Modulation Frequency	9.6KHz
Modulation Type	FSK
High Frequency Power	$\leq 8\text{dBm}$
Transmission Range	15m
Temperature Accuracy	$\pm 3^\circ\text{C}$
Operating Temperature	$-20^\circ\text{C} \sim 120^\circ\text{C}$
Storage Temperature	$-20^\circ\text{C} \sim 120^\circ\text{C}$
Ingress Protection Rating	IP67
Battery & Operating Voltage	Murata CR2032W 2.1-3.0V
Battery Life	3-5 Years

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