



# Certificate of Calibration

VECTOR SR

Speed and/or Traffic Signals Enforcement Device

"I confirm that the VECTOR SR Enforcement System for Speed and/or Traffic Signals described below has been calibrated to the documented parameters as recorded below using measurement devices calibrated to National Standards in accordance with the Home Office Type Approval for the VECTOR SR device.

All parts and components used in Device Serial Number JE810100122-0254 including any replaced are identical to those used in the device as Type-Approved"

Signed by:

A handwritten signature in black ink, appearing to read "Derek Penn".

Derek Penn  
**Director of Operations**

Calibrating Engineer:	Stephen Pigden
Annual Inspection Engineer:	Stephen Pigden & Nigel Payne
Site Code:	9090
Site Name:	A4102 Swansea Road, Merthyr Tydfil
Project ID:	P4544M (P4830SR)
Device Location:	51.7542, -3.41664
Initial Site Calibration Start Date:	09/02/2022
Annual Inspection Date:	19/12/2023
Radar Factory Calibration Date:	27/01/2022
Valid Until*:	18/12/2024

\* Site Calibration Valid until up to one year from Site Calibration / Calibration Inspection Date, or three years from Radar Factory Calibration Date, whichever is sooner.



Date	
Initial Site Calibration Start Date	09/02/2022
Annual Inspection Date	19/12/2023

Location	
Site Name	9090 - A4102 Swansea Road, Merthyr Tydfil
Device Location	51.7542, -3.41664

Asset Calibration	
Device Serial Number	JE810100122-0254
VECTOR Serial Number	SB160420-0140
Device Distance to Notional Stop Line (m)	28
Device Height (m)	5.27
Device Offset (m)	4.26
Site Calibrated by	Stephen Pigden
Site Inspected by	Stephen Pigden & Nigel Payne

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/66115
Radar Factory Calibration Date	27/01/2022
<b>Specified Radar Frequency (GHz)</b>	<b>Measured Radar Frequency (GHz)</b>
24.045	24.047
24.085	24.087
24.125	24.127
24.165	24.167
24.205	24.207
Radar Speed Test	
<b>Simulated Speed (km/h)</b>	<b>Measured Speed (km/h) Approach / Recede</b>
10	10.1 / 10.1
50	50.1 / 50.1
100	100.2 / 100.2
200	199.8 / 199.8
250	249.9 / 249.9
300	300.0 / 300.0

Initial Calibration Tools				
Measuring Tape	Calibration Date:	09/02/2022	Serial Number:	SP-VYS-01
Laser Measure	Calibration Date:	12/03/2021	Serial Number:	1082950518
Radar Alignment Tool	Calibration Date:	09/02/2022	Serial Number:	W465-000/60015

Annual Inspection Tools				
Vbox	Calibration Date:	05/04/2023	Serial Number:	085101
Laser Measure	Calibration Date:	08/03/2023	Serial Number:	332320238