



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 JE810100419-0032 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", written over a horizontal line.

Derek Penn
Director of Operations

Calibrating Engineer:	Stephen Pigden
Annual Inspection Engineer:	Stephen Pigden
Site Code:	4129
Site Name:	A48 Western Avenue Jct with Excelsior Road Cardiff
Project ID:	P4544M (P4205SR)
Device Location:	51.4996, -3.20758
Initial Site Calibration Start Date:	25/04/2023
Annual Inspection Date:	03/04/2025
Radar Factory Calibration Date:	09/03/2023
Valid Until*:	08/03/2026

* 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	25/04/2023
Annual Inspection Date	03/04/2025

Location	
Site Name	4129 - A48 Western Avenue Jct with Excelsior Road Cardiff
Device Location	51.4996, -3.20758

Asset Calibration	
Device Serial Number	JE810100419-0032
VECTOR Serial Number	SB160220-0118
Device Distance to Notional Stop Line (m)	28.4
Device Height (m)	5.29
Device Offset (m)	3.53
Site Calibrated by	Stephen Pigden
Site Inspected by	Stephen Pigden

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/65421
Radar Factory Calibration Date	09/03/2023
Specified Radar Frequency (GHz)	Measured Radar Frequency (GHz)
24.045	24.047
24.085	24.087
24.125	24.128
24.165	24.168
24.205	24.207
Radar Speed Test	
Simulated Speed (km/h)	Measured Speed (km/h) Approach / Recede
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:	25/04/2023	Serial Number:	SP-VYS-01
Laser Measure	Calibration Date:	08/03/2023	Serial Number:	332320238
Radar Alignment Tool	Calibration Date:	25/04/2023	Serial Number:	W465-000/60015

Annual Inspection Tools				
Vbox	Calibration Date:	11/03/2025	Serial Number:	085101
Laser Measure	Calibration Date:	09/10/2024	Serial Number:	1034750705