



# 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 JE810100120-0147 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 "Michael Kirsch".

Michael Kirsch  
**Product Design Director**

Calibrating Engineer:	Stephen Pigden
Annual Inspection Engineer:	Stephen Pigden
Site Code:	4107
Site Name:	A470 Manor Way Jct with Caegwyn Road Cardiff
Project ID:	P4544M (P4205SR)
Device Location:	51.5137, -3.20954
Initial Site Calibration Start Date:	24/05/2023
Annual Inspection Date:	25/04/2025
Radar Factory Calibration Date:	04/05/2023
Valid Until*:	24/04/2026

\* 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	24/05/2023
Annual Inspection Date	25/04/2025

Location	
Site Name	4107 - A470 Manor Way Jct with Caegwyn Road Cardiff
Device Location	51.5137, -3.20954

Asset Calibration	
Device Serial Number	JE810100120-0147
VECTOR Serial Number	SB160220-0117
Device Distance to Notional Stop Line (m)	27.2
Device Height (m)	5.23
Device Offset (m)	4.01
Site Calibrated by	Stephen Pigden
Site Inspected by	Stephen Pigden

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/63494
Radar Factory Calibration Date	04/05/2023
Specified Radar Frequency (GHz)	Measured Radar Frequency (GHz)
24.045	24.047
24.085	24.087
24.125	24.128
24.165	24.167
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:	24/05/2023	Serial Number:	SP-VYS-01
Laser Measure	Calibration Date:	08/03/2023	Serial Number:	332320238
Radar Alignment Tool	Calibration Date:	24/05/2023	Serial Number:	W465-000/60015

Annual Inspection Tools				
Vbox	Calibration Date:	27/09/2024	Serial Number:	088629
Laser Measure	Calibration Date:	01/04/2025	Serial Number:	332320238