



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 blue ink, appearing to read "Derek Penn", with a horizontal line underneath.

Derek Penn
Director of Operations

Calibrating Engineer:

Stephen Pigden

Site Code:

4129

Site Name:

A48 Western Avenue Jct with Excelsior Road Cardiff

Project ID:

P4544M (P4205SR)

Device Location:

51.4995, -3.20761

Site Calibration Start Date:

25/02/2026

Radar Factory Calibration Date:

02/02/2026

Valid Until*:

24/02/2027

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



Date	
Site Calibration Start Date	25/02/2026

Location	
Site Name	4129 - A48 Western Avenue Jct with Excelsior Road Cardiff
Device Location	51.4995, -3.20761

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

Radar Factory Calibration Report	
FST3 Radar Serial Number	590-113/65234
Radar Factory Calibration Date	02/02/2026
Specified Radar Frequency (GHz)	Measured Radar Frequency (GHz)
24.045	24.047
24.085	24.088
24.125	24.127
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

Calibration Tools				
Measuring Tape	Calibration Date:	25/02/2026	Serial Number:	SP-VYS -01
Laser Measure	Calibration Date:	01/04/2025	Serial Number:	332320238
Radar Alignment Tool	Calibration Date:	25/02/2026	Serial Number:	60065