

# Certificate of Calibration

**CERTIFICATE NUMBER: C 201508001345 - 959 - 20181204**

<b>Type/model:</b>	<b>Set serial number:</b> 959
<b>RS-GS11-UK FIP modular</b>	<b>Sensys Gatso object code:</b> 201508001345
<b>Radar 24 antenna</b>	<b>Serial no:</b> 201508001085
<b>GS11 camera</b>	<b>Serial no:</b> 201509001119
<b>Decision Unit</b>	<b>Serial no:</b> 201508000967
<b>FIP scope</b>	<b>Serial no:</b> 201508001290

**Date from: 04 December 2018**

**Date to: 03 December 2019**

**Calibrated by: ViTc**

The SGG equipment subject to this certificate has been calibrated by manufacturer Sensys Gatso Netherlands using equipment traceable to standards.

Table 1 shows the equipment used for measuring and testing:

ID	Description	Serial number	Type
1398	Handheld DMM	98950160	Fluke 175
1357	Timer / Counter	SM713	PM6665
1302	Handheld DMM	61650069	Fluke 73-II
1358	Timer / Counter	SM791815	PM6666
1511	Microwave Frequency counter	US40490255	53149A
1266	Microwave Frequency counter	US40490167	53149A

*Table 1 Calibration test equipment*

Table 2 shows a summary of the results recorded during this calibration test:

Description	Result	Tolerance
Shutter timing	499 ms	500 ms $\pm$ 50 ms
Radar frequency for UK	24.126 GHz	24.110 $\pm$ 25 MHz
Speed 18 mph	18 mph	18 mph $\pm$ 1 mph
Speed 43 mph	43 mph	43 mph $\pm$ 1 mph
Speed 74 mph	74 mph	74 mph $\pm$ 1 mph
Speed 112 mph	112 mph	112 mph $\pm$ 1 mph
Speed 149 mph	149 mph	149 mph $\pm$ 1 mph

*Table 2 Summary of results*

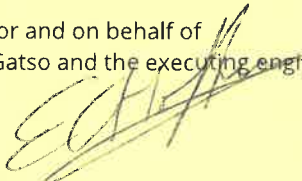
The calibration tests summarized in table 2 meet the tolerance for the equipment subject to this certificate; the device is hereby certified to measure within the stated tolerance of the device throughout its specified range.

### Statement of conformity

This device conforms to the device specification as per the Home Office Type Approval for: The Radar Speed Measuring Device (No4) Approval 2012. Any components, if required, used in repair and maintenance are identical to those in the schedule.

Signed for and on behalf of  
Sensys Gatso and the executing engineer:

Date: 04 December 2018

  
E. Hoffman  
Quality Assurance Officer

# CERTIFICATE OF CALIBRATION

Radar 24 antenna  
GS11 camera  
Decision Unit  
FIP Scope

Serial number set: 959  
Object code set: 201508001345  
Object code: 201508001085  
Object code: 201509001119  
Object code: 201508000967  
Object code: 201508001290

Date from: 21 November 2017

Date to: 20 November 2018

I, the undersigned certify that the above GATSO equipment has been calibrated using equipment traceable to the national or international standards. The GATSO equipment complies with the terms of the specification for Type Approval and has been tested to the standard and conforms to the Speedmeter handbook fourth edition.

The below table shows the equipment used for measuring and testing:

Gatsold	Description	Serial number	Type
1266	Microwave Frequency Counter	US 40490167	53149 A
1511	Microwave Frequency Counter	US 40490255	53149A
1512	Microwave Power Sensor	MY 41091602	8485A
1513	Microwave Power Sensor	MY 41091601	8485A
1517	Mechanical turn table	P 6963C	PHVD-160
1520	Mechanical turn table	P-8654-C	PHVD 160
1267	Microwave Frequency Counter	2038	548 A
1335	CombiScope 60MHz	DM 732004	PM 3370B
1349	Function Generator	LO 784009	PM 5136
1380	Function Generator	LO 652428	PM 5158
1339	CombiScope 60MHz	DM 777007	PM 3370B
1289	Handheld DMM	80280081	Fluke 175
1383	Handheld DMM	93100161	Fluke 175
3101	Signal interface	181	EAC
3102	Signal interface	190	EAC
1378	Timer / Counter / Analyzer Programmable	SM 677115	PM 6681
1397	Timer / Counter / Analyzer	SN983874	PM 6690

All components replaced are the same as those type approved.

The interval time used for the secondary check time was found to be within the required tolerances as required in the Speedmeter handbook fourth edition.

GATSO's quality management system meets the requirements of ISO 9001:2008 for the application area of development, design, manufacturing, sales, calibration and maintenance of traffic enforcement products.

All measurement devices are controlled according to procedure O.05.00 (Management of the measurement devices) as stated in the GATSO ISO 9001:2008 procedure handbook.

Signed for and on behalf of Gatsometer B.V.:

Date: 21 November 2017

  
E. Hoffman  
Quality Assurance Officer