

## CERTIFICATE NUMBER: C201505000183 -876 - 20211116

Type/model:	Set serial number:	876
RS-GS11-UK FIP modular	Sensys Gatso object code:	201505000183
Radar 24 antenna	Serial no:	201510000640
GS11 camera	Serial no:	201504002145
Decision Unit	Serial no:	201505000188
FIP scope	Serial no:	201504000391
Date from: 16 November 2021	Date to:	15 November 2022
	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	Туре
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	500 ms	500ms ± 5.0ms
Radar frequency for UK	24.120 GHz	24.110 ± 25 MHz
Speed 18 mph	18 mph	18 mph ± 1 mph
Speed 43 mph	43 mph	43 mph ± 1 mph
Speed 74 mph	74 mph	74 mph ± 1 mph
Speed 112 mph	112 mph	112 mph ± 1 mph
Speed 149 mph	149 mph	149 mph ± 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:

E. Hoffman Quality Assurance Officer Date: 16 November 2021

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## CERTIFICATE NUMBER: C 201505000183 - 876 - 20201103 Type/model: Set serial number: 876

RS-GS11-UK FIP modular	Sensys Gatso object code:	201505000183
Radar 24 antenna	Serial no:	201510000640
GS11 camera	Serial no:	201504002145
Decision Unit	Serial no:	201505000188
FIP scope	Serial no:	201504000391
Date from: 03 November 2020	Date to:	02 November 2021
	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	Туре
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	500 ms	500ms ± 5.0ms
Radar frequency for UK	24.120 GHz	24.110 ± 25 MHz
Speed 18 mph	18 mph	18 mph ± 1 mph
Speed 43 mph	43 mph	43 mph ± 1 mph
Speed 74 mph	74 mph	74 mph ± 1 mph
Speed 112 mph	112 mph	112 mph ± 1 mph
Speed 149 mph	149 mph	149 mph ± 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:

E. Hoffman Quality Assurance Officer

Date: 03 November 2020



CERTIFICATE	NUMBER: C201505000183 -	876 - 20191022
Type/model:	Set serial number:	876
RS-GS11-UK FIP modular	Sensys Gatso object code:	201505000183
Radar 24 antenna	Serial no:	201510000640
GS11 camera	Serial no:	201504002145
Decision Unit	Serial no:	201505000188
FIP scope	Serial no:	201504000391
Date from: 22 October 2019	Date to:	21 October 2020
	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	Туре
1398	Handheld DMM	98950160	Fluke 175
1357	Timer / Counter	SM713	PM6665
1302	Handheid DMM	61650069	Fluke 73-II
1358	Timer / Counter	SM791815	PM6666
1511	Microwave Frequency counter	US40490255	53149A
1266	Microwave Frequency counter	US40490167	53149A

Table 1 shows the equipment used for measuring and testing:

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 ± 50 ms
Radar frequency for UK	24.119 GHz	24.110 ± 25 MHz
Speed 18 mph	18 mph	18 mph ± 1 mph
Speed 43 mph	43 mph	43 mph ± 1 mph
Speed 74 mph	74 mph	74 mph ± 1 mph
Speed 112 mph	112 mph	112 mph ± 1 mph
Speed 149 mph	149 mph	149 mph ± 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:

E. Hoffman Quality Assurance Officer Date: 22 October 2019

Sensys Gatso Metherlands B V P.O. Box 4959, 2003 EZ Boardem, The Netherlands



# CERTIFICATE NUMBER: C201505000183 - 876 - 20181113Type/model:Set serial number:876RS-GS11-UK FIP modularSensys Gatso object code:201505000183Radar 24 antennaSerial no:201510000640GS11 cameraSerial no:201504002145Decision UnitSerial no:201505000188FIP scopeSerial no:201504000391

Date from: 13 November 2018

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	Туре
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

Calibrated by: ViTc

Date to: 12 November 2019

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

Description	Result	Tolerance
Shutter timing	499 ms	500 mS ± 50 ms
Radar frequency for UK	24.118 GHz	24.110 ± 25 MHz
Speed 18 mph	18 mph	18 mph ± 1 mph
Speed 43 mph	43 mph	43 mph ± 1 mph
Speed 74 mph	74 mph	74 mph ± 1 mph
Speed 112 mph	112 mph	112 mph ± 1 mph
Speed 149 mph	149 mph	149 mph ± 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:

E. Hoffman Quality Assurance Officer

Date: 13 November 2018

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CERTIFICATE OF CALIBRATION



Radar 24 antenna GS11 camera Decision Unit FIP Scope Serial number set: 876 Object code set: 201505000183 Object code: 201508001084 Object code: 201504002145 Object code: 201505000188 Object code: 201504000391

## Date from: 17 October 2017

Date to: 16 October 2018

I, the undersigned certify that the above GATSO equipment has been calibrated using equipment traceable to the inational 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	Туре
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 0.05.00 (Management of the measurement devices) as stated in the GATSO ISO 9001:2008 procedure handbook.

Signed for and on behalt of Gatsometer B.V:

Date: 17 October 2017

E. Hoffman **Quality Assurance Officer** 

## **CERTIFICATE OF CALIBRATION**



Radar 24 antenna GS11 camera Decision Unit FIP Scope Serial number set: 876 Object code set: 201505000183 Object code: 201508001084 Object code: 201504002145 Object code: 201505000188 Object code: 201504000391

#### Date from: 11 October 2016

## Date to: 10 October 2017

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:

GatsoID	Description	Serial number	Туре
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 0.05.00 (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: 11 October 2016

E. Hoffman Quality Assurance Officer

Cf-e1213

Gatsometer B.V, P.O. Box 4959, Haarlem, The Netherlands