

Certificate of Calibration

CERTIFICATE NUMBER: C 201505000181 -874 - 20190917

Type/model:

RS-GS11-UK FIP modular

Radar 24 antenna

GS11 camera

Decision Unit

FIP scope

Set serial number: 874

Sensys Gatso object code: 201505000181

Serial no: 201508001082

Serial no: 201504002143

Serial no: 201505000186

Serial no: 201504000389

Date from: 17 September 2019

Date to: 16 September 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	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	24.113 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: 17 September 2019

E. Hoffman
Quality Assurance Officer

Certificate of Calibration

CERTIFICATE NUMBER: C201505000181 -874 - 20181023

Type/model:	Set serial number: 874
RS-GS11-UK FIP modular	Sensys Gatso object code: 201505000181
Radar 24 antenna	Serial no: 201508001082
GS11 camera	Serial no: 201504002143
Decision Unit	Serial no: 201505000186
FIP scope	Serial no: 201504000389

Date from: 23 October 2018

Date to: 22 October 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	24.137 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: 23 October 2018

E. Hoffman
Quality Assurance Officer

CERTIFICATE OF CALIBRATION

GATSO

Radar 24 antenna
GS11 camera
Decision Unit
FIP Scope

Serial number set: 874
Object code set: 201505000181
Object code: 201508001082
Object code: 201504002143
Object code: 201505000186
Object code: 201504000389

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 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	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: 17 October 2017


E. Hoffman
Quality Assurance Officer

CERTIFICATE OF CALIBRATION



Radar 24 antenna
GS11 camera
Decision Unit
FIP Scope

Serial number set: 874
Object code set: 201505000181
Object code: 201508001082
Object code: 201504002143
Object code: 201505000186
Object code: 201504000389

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	Type
1266	Microwave Frequency Counter	US 40490167	53149 A
1511	Microwave Frequency Counter	US 40490255	53149A
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1339	CombiScope 60MHz	DM 777007	PM 3370B
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1383	Handheld DMM	93100161	Fluke 175
3101	Signal interface	181	EAC
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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.

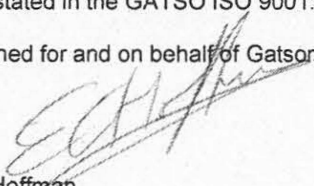
The interval time used for the secondary check time was found to be within the required tolerances as required in the Speedmeter handbook fourth edition.

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: 11 October 2016


E. Hoffman
Quality Assurance Officer