

Certificate of Calibration

CERTIFICATE NUMBER: C 201505000180 - 873 - 20190917

Type/model:
RS-GS11-UK FIP modular
Radar 24 antenna
GS11 camera
Decision Unit
FIP scope

Set serial number: 873
Sensys Gatso object code: 201505000180
Serial no: 201508001081
Serial no: 201504002142
Serial no: 201505000185
Serial no: 201504000388

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 | 24.128 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: C 201505000180 - 873 - 20180925

Type/model:
RS-GS11-UK FIP modular
Radar 24 antenna
GS11 camera
Decision Unit
FIP scope

Set serial number: **873**
Sensys Gatso object code: **201505000180**
Serial no: **201508001081**
Serial no: **201504002142**
Serial no: **201505000185**
Serial no: **201504000388**

Date from: **25 September 2018**

Date to: **24 September 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 | 24.127 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: 25 September 2018

E. Hoffman
Quality Assurance Officer

CERTIFICATE OF CALIBRATION

GATSO

Radar 24 antenna
GS11 camera
Decision Unit
FIP Scope

Serial number set: 873
Object code set: 201505000180
Object code: 201508001081
Object code: 201504002142
Object code: 201505000185
Object code: 201504000388

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:

| 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: 17 October 2017.


E. Hoffman
Quality Assurance Officer

CERTIFICATE OF CALIBRATION



Radar 24 antenna
GS11 camera
Decision Unit
FIP Scope

Serial number set: 873
Object code set: 201505000180
Object code: 201508001081
Object code: 201504002142
Object code: 201505000185
Object code: 201504000388

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:

| 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.

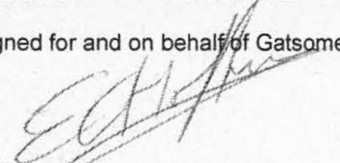
The interval time used for the secondary check time was found to be within the required tolerances as required in the Speedmeter handbook fourth edition.

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: 11 October 2016


E. Hoffman
Quality Assurance Officer