



CERTIFICATE OF TEST OF A SPEED MEASURING DEVICE

Device description:

Jenoptik TraffiStar SR590

Serial number:

590-113/65704

Date and time of test:

26/05/2021 @ 09:00

Date of expiry:

26/05/2022

Test results:

As stated in SGS Report TC210863

Uncertainty of value(s):

As stated in SGS Report TC210863

Customer:

Queensland Police Service

The test confirmed that the device was compliant in accordance with the manufacturer's specification and the requirements of AS2898.2.

Following satisfactory completion of these tests, the device's speed computing unit was sealed using tamper evident adhesive seal.

Signature: Sch4p4(6)

Date: 27/05/2021

Name of signatory:

Sch4p4(6)

Position of signatory:

Approved Signatory

Testing laboratory:

SGS Australia Pty Ltd, NATA Accredited Laboratory No. 18628

10/585 Blackburn Road, Notting Hill VIC 3168



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SGSPAPER 20008341



SGS Australia Pty Ltd



Calibration Report

Report Reference Number	TC21	0863	
Test Scope	Certification of Radar Speed Measuring Device		
Date of Issue	27/05/2021		
Date and Time of Test	26/05/2021 @ 09:00		
Compiled by	Sch4p4(6)	Sch4p4(6) Testing Officer	
Approved by	94	Sch4p4(6) Approved Signatory	

Testing Laboratory

SGS Australia Pty Ltd, NATA Accredited Laboratory No. 18628

10/585 Blackburn Road, Notting Hill VIC 3168

Applicant

JENOPTIK Australia Pty Ltd

Unit 22, 37 Keilor Park Drive, Keilor Park, VIC 3042

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Accredited for compliance with ISO/IEC 17025 - Calibration.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

Summary of Results

The device under test is Compliant with the requirements of AS2898.2 Section 2.2 and SGS test procedure PR-TE-626-1

Comments:

- A compliant result indicates that the measurement results fall within specification by an amount at least equivalent to the uncertainty of measurement.
- DUT Indicated Angle readings are not covered by NATA scope of accreditation.
- No adjustments were performed on the device.
- Test results of 10km/h and 300km/h are not covered by NATA scope of accreditation.

Device Under Test Description

Description:

JENOPTIK TraffiStar SR590 RRS24F-ST3 S/N:590-113/65704

Software Version	J2D

Condition:

- The device under test was found to be in a satisfactory physical condition.

Test Equipment

Item	ID	Calibration Due Date
2m RF Cable Armoured	1829/D	04/09/2021
Anechoic Chamber	1941	Calibrated Before Use
AR Horn Antenna and RF Transition	1829/A	03/09/2021
Hygrometer	2005	16/03/2022
Rohde and Schwarz Spectrum Analyser	1822	Checked Before Use
Rubidium Frequency Standard	2054	24/01/2022
Tektronix Arbitrary/Function Generator	2111	Checked Before Use

Environmental Conditions

The ambient temperature and humidity at the time of test are shown below:

Ambient temperature (°C) +/-1 °C	Relative humidity (%) +/-4%
22.2	36.7

Test Results

Antenna Frequency Test:

Peak No	Measured Frequency (GHz)
1	24.11897
2	24.12625
3	24.12807
4	24.12905

End To End Speed Simulation Test (Doppler Simulation)

Simulated Speed (km/h)	DUT Indicated Speed (km/h)	DUT Indicated Angle(°)
10.0	10.0	-0.2
10.0	10.1	-0.2
10.0	10.0	-0.2
50.0	50.1	-0.2
50.0	50.1	-0.2
50.0	50.1	-0.2
100.0	100.2	-0.2
100.0	100.2	-0.3
100.0	100.2	-0.2
150.0	150.3	-0.2
150.0	150.3	-0.2
150.0	150.3	-0.3
200.0	199.8	-0.2
200.0	199.8	-0.2
200.0	199.8	-0.2
250.0	249.9	-0.2
250.0	249.9	-0.2
250.0	249.9	-0.2
300.0	300.0	-0.2
300.0	300.0	-0.2
300.0	300.0	-0.2

Tamper Evident Seals

The device under test was sealed with SGS tamper evident seals A18675, A18676, A6633 and A6634.

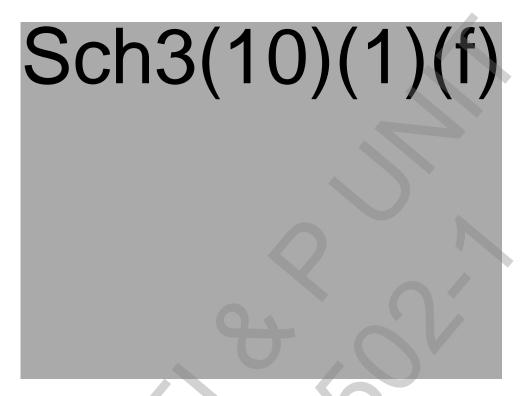


Photo 1

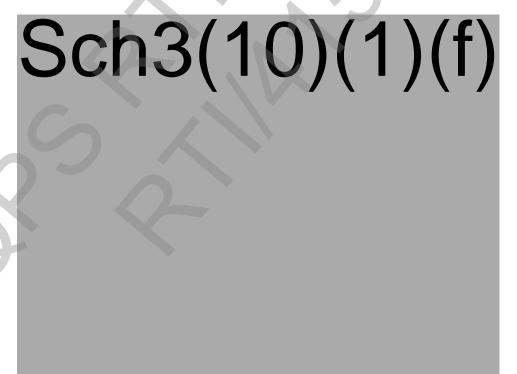


Photo 2



Photo 3

Uncertainty of Measurement

The estimated uncertainty of values quoted, at 95% confidence level, with a coverage "k" factor of 2 is:

- Radar Frequency: ± 0.00057GHz at the measured frequency
- Speed: ± 0.4km/h from 10km/h to 300km/h





CERTIFICATE OF TEST OF A SPEED MEASURING DEVICE

Device description: Jenoptik TraffiStar SR590

Serial number: 590-113/60953

Date and time of test: 03/05/2022 @ 13:00

Date of expiry: 03/05/2023

Test results: As stated in SGS Report TC220739

Uncertainty of value(s): As stated in SGS Report TC220739

Customer: Queensland Police Service

The test confirmed that the device was compliant in accordance with the manufacturer's specification and the requirements of AS2898.2.

Following satisfactory completion of these tests, the device's speed computing unit was sealed using tamper evident adhesive seal.

Sch4p4(6)
Date:

Name of signatory: Sch4p4(6)

Position of signatory: Approved Signatory

Testing laboratory: SGS Australia Pty Ltd, NATA Accredited Laboratory No. 18628

10/585 Blackburn Road, Notting Hill VIC 3168

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SGSPAPER 20593118



SGS Australia Pty Ltd



Approved Signatory

Calibration Report

	Sch4p4(6)	Sch4p4(6)	
Date and Time of Test	03/05/2022 @ 13:00		
Date of Issue	05/05/2022		
Test Scope	Certification of Radar Speed Measuring Device		
eport Reference Number	TC22073	TC220739	

Testing Laboratory

SGS Australia Pty Ltd, NATA Accredited Laboratory No. 18628

10/585 Blackburn Road, Notting Hill VIC 3168

Applicant

Queensland Police Service

Approved by

20 Pickering Street, Alderley, QLD 4051

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Summary of Results

The device under test is Compliant with the requirements of AS2898.2 Section 2.2 and SGS test procedure PR-TE-626-1

Comments:

- A compliant result indicates that the measurement results fall within specification by an amount at least equivalent to the uncertainty of measurement.
- DUT Indicated Angle readings are not covered by NATA scope of accreditation.
- No adjustments were performed on the device.
- Test results of 10km/h and 300km/h are not covered by NATA scope of accreditation.

Device Under Test Description

Description:

JENOPTIK TraffiStar SR590 RRS24F-ST3 S/N:590-113/60953

Software Version	J2D
CONTINUE VENSION	OLD.

Condition:

- The device under test was found to be in a satisfactory physical condition.

Test Equipment

Item	ID	Calibration Due Date
2m RF Cable Armoured	1829/D	26/08/2022
Anechoic Chamber	1941	Calibrated Before Use
AR Horn Antenna and RF Transition	1829/A	01/09/2022
Hygrometer	2139	25/11/2022
Rohde and Schwarz Spectrum Analyser	1822	Checked Before Use
Rubidium Frequency Standard	1840	22/06/2022
Tektronix Arbitrary/Function Generator	1942	Checked Before Use

Environmental Conditions

The ambient temperature and humidity at the time of test are shown below:

Ambient temperature (°C) +/-1 °C	Relative humidity (%) +/-4%
22.3	41.1

Test Results

Antenna Frequency Test:

Peak No	Measured Frequency (GHz)
1	24.11850
2	24.12560
3	24.12740
4	24.12840

End To End Speed Simulation Test (Doppler Simulation)

Simulated Speed (km/h)	DUT Indicated Speed (km/h)	DUT Indicated Angle(°)
10.0	10.0	-0.2
10.0	10.1	-0.1
10.0	10.0	-0.2
50.0	50.1	-0.2
50.0	50.1	-0.2
50.0	50.1	-0.2
100.0	100.2	-0.1
100.0	100.2	-0.1
100.0	100.2	-0.2
150.0	150.3	-0.1
150.0	150.3	-0.1
150.0	150.3	-0.2
200.0	199.8	-0.1
200.0	199.8	-0.1
200.0	199.8	-0.1
250.0	249.9	-0.1
250.0	249.9	-0.1
250.0	249.9	-0.2
300.0	300.0	-0.1
300.0	300.0	-0.1
300.0	300.0	-0.1

Tamper Evident Seals

The device under test was sealed with SGS tamper evident seals A23007, A23008, A9550 and A9551.



Photo 1



Photo 2

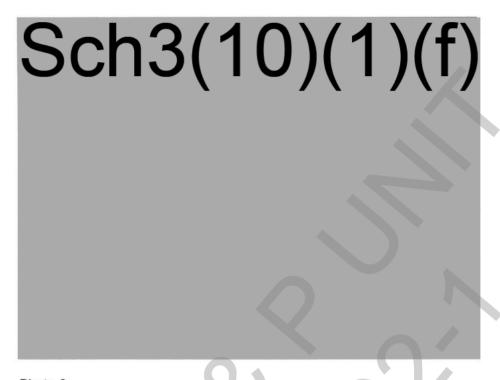


Photo 3

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