



**RS Calibration**  
Calibration and Repair Service  
Serial No: 1218201/192  
Cert No: 1963201  
Cal Date: 25 Feb 2026  
Recal Due:

0310  
DPN 175 Lammas Road, Corby, Northants, NN17 9RS

# **\*\*Calibration Certificate\*\***

## **Do Not Destroy**

Calibration Certificate Attached: 1963201

OD ref: 1262590844

RS Pro Steel Rule 150mm / 6in

first

## **IMPORTANT INFORMATION**

Simply detach the label in the top right hand corner of the new front sheet and apply to your instrument as required.



**RS Calibration**  
Calibration and Repair Service  
Serial No: 2A345G02  
Cert No: 123456  
Cal Date: 01 May 2014  
Recal Due:

DPN 175 Lammas Road, Corby, Northants, NN17 9RS

**For Re-Calibration of your unit please email:**

***calibration.uk@rs-components.com***

**or call us on 01536 405545 to arrange free collection. Please quote serial number when returning.**

**RS Calibration**

# CERTIFICATE OF CALIBRATION

Issued by: RS Components Ltd

Date Issued: 25 Feb 2026

Certificate No. 1963201



0310

## RS Calibration

Calibration and Repair Service

DPN 175, Lammas Rd,  
Weldon Industrial Est  
Corby, Northants, NN17 9RS

Tel: 01536 405545

Fax: 01536 401590

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Stefan Sabadi

### Client

TOTAL LABORATORY SERVICES LTD  
BLANDFORD FORUM  
DORSET  
DT11 8ST

### Instrument

RS Pro Steel Rule 150mm / 6in

### Serial No.

1218201/192

### Client Reference

N/A

### Procedure ID.

D05\_1200\_# Rev. P 8

### Date of Calibration

25 Feb 2026

### Remarks

This certificate reports recorded values for the instrument 'As Received'.

### Uncertainties

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor  $k = 2$ , which for a normal distribution corresponds to a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

For certificate statements of conformity see Appendix SCQAR 533  
The following calibration results relate only to the items defined above.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to the SI system of units and/or to units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes

This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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Certificate No.  
1963201

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## Environment

Prior to calibration the rule was held within a temperature controlled environment for a period of not less than 4 hours.

The ambient temperature and relative humidity throughout the calibration were  $(20 \pm 2) ^\circ\text{C}$  and  $(40 \pm 35) \%$ rh respectively.

## Method

The scale identified below was calibrated by measuring from the edge of the rule to the first position. This first position was then used as a datum from which all other positions on that scale are referenced. Measurements were made using a horizontal length measuring machine and the results recorded in the tables below.

The calibration was performed in accordance with 73-362 / EEC Class 1.

| Side One          |                |                 |                    |                          |                           |                |
|-------------------|----------------|-----------------|--------------------|--------------------------|---------------------------|----------------|
| Top Scale         |                |                 |                    |                          |                           |                |
| Major Position    | Nominal Length | Measured Length | Measured Deviation | Major Position Limits    | Measurement Uncertainties |                |
| mm                | mm             | mm              | mm                 | mm                       | mm                        | mm             |
| 0 - 10            | 10             | 9.922           | -0.078             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 30           | 20             | 19.996          | -0.004             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 31           | 21             | 21.002          | 0.002              | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 59           | 49             | 48.996          | -0.004             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 60           | 50             | 49.989          | -0.011             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 90           | 80             | 79.985          | -0.015             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 91           | 81             | 80.984          | -0.016             | $\pm 0.200$              | $\pm 0.009$               | $\pm 0.009$    |
| 10 - 119          | 109            | 108.980         | -0.020             | $\pm 0.200$              | $\pm 0.010$               | $\pm 0.010$    |
| 10 - 120          | 110            | 109.978         | -0.022             | $\pm 0.200$              | $\pm 0.010$               | $\pm 0.010$    |
| 10 - 150          | 140            | 139.970         | -0.030             | $\pm 0.200$              | $\pm 0.010$               | $\pm 0.010$    |
|                   |                |                 |                    |                          |                           |                |
|                   |                |                 |                    |                          |                           |                |
| Adjacent Position | Nominal Length | Measured Length | Measured Deviation | Adjacent Position Limits | Measurement Uncertainties |                |
| mm                | mm             | mm              | mm                 | mm                       | mm                        | mm             |
| 30 - 31           | 1              | 1.006           | 0.006              | $\pm 0.100$              | $\pm 0.009$               | 0.032 mm       |
| 59 - 60           | 1              | 0.993           | -0.007             | $\pm 0.100$              | $\pm 0.009$               | $\pm 0.200$ mm |
| 90 - 91           | 1              | 0.999           | -0.001             | $\pm 0.100$              | $\pm 0.009$               | $\pm 0.010$ mm |
| 119 - 120         | 1              | 0.998           | -0.002             | $\pm 0.100$              | $\pm 0.009$               |                |

## Side One

Maximum deviation found between any two major positions in the above table from 10mm to the maximum length.

Major position limit

Measurement Uncertainty

0.032 mm  
 $\pm 0.200$  mm  
 $\pm 0.010$  mm

Maximum deviation found between any adjacent positions.

Adjacent position limit

Measurement Uncertainty

-0.007 mm  
 $\pm 0.100$  mm  
 $\pm 0.009$  mm

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| Side Two                    |                          |                           |                              |                                    |                                     |  |
|-----------------------------|--------------------------|---------------------------|------------------------------|------------------------------------|-------------------------------------|--|
| Top Scale                   |                          |                           |                              |                                    |                                     |  |
| Major Position<br>inches    | Nominal Length<br>inches | Measured Length<br>inches | Measured Deviation<br>inches | Major Position Limits<br>inches    | Measurement Uncertainties<br>inches |  |
| 0 - 0.5                     | 0.50000                  | 0.4991                    | -0.00090                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 1.5                   | 1.00000                  | 0.9999                    | -0.00010                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 1.52                  | 1.02000                  | 1.0201                    | 0.00010                      | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 2.99                  | 2.49000                  | 2.4898                    | -0.00020                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 3.0                   | 2.50000                  | 2.4996                    | -0.00040                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 4.5                   | 4.00000                  | 3.9992                    | -0.00080                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 4.6                   | 4.10000                  | 4.0991                    | -0.00090                     | ± 0.008                            | ± 0.0004                            |  |
| 0.5 - 5.9                   | 5.40000                  | 5.3988                    | -0.00120                     | ± 0.008                            | ± 0.0005                            |  |
| 0.5 - 6.0                   | 5.50000                  | 5.4992                    | -0.00080                     | ± 0.008                            | ± 0.0005                            |  |
|                             |                          |                           |                              |                                    |                                     |  |
|                             |                          |                           |                              |                                    |                                     |  |
|                             |                          |                           |                              |                                    |                                     |  |
| Adjacent Position<br>inches | Nominal Length<br>inches | Measured Length<br>inches | Measured Deviation<br>inches | Adjacent Position Limits<br>inches | Measurement Uncertainties<br>inches |  |
| 1.5 - 1.52                  | 0.02000                  | 0.02020                   | 0.00020                      | ± 0.004                            | ± 0.0004                            |  |
| 2.99 - 3                    | 0.01000                  | 0.00980                   | -0.00020                     | ± 0.004                            | ± 0.0004                            |  |
| 4.5 - 4.6                   | 0.10000                  | 0.09990                   | -0.00010                     | ± 0.004                            | ± 0.0004                            |  |
| 5.9 - 6                     | 0.10000                  | 0.10040                   | 0.00040                      | ± 0.004                            | ± 0.0004                            |  |

## Side Two

Maximum deviation found between any two major positions in the above table from 0.5 inches to the maximum length.

Major position limit

Measurement Uncertainty

0.001 3 inch  
± 0.008 inch  
± 0.000 4 inch

Maximum deviation found between any adjacent positions.

Adjacent position limit

Measurement Uncertainty

0.000 4 inch  
± 0.004 inch  
± 0.000 4 inch

| Squareness of datum end to side faces. | Measured Value | Limit | Measurement Uncertainty |
|--|----------------|-------|-------------------------|
|  | 0.009 mm       | N/A   | ± 0.005 mm              |

## Squareness of datum end to side faces.

No limits available, measured values reported only.

**CALIBRATED BY:- DOH**

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**Reported values not annotated.**

The instrument passed the stated specification, due allowance having been made for the uncertainty of measurement which carries no implication regarding the long term stability of the instrument.

END OF CALIBRATION

## Appendix SCQAR533 Certificate Statements of conformity

RS Components is standardising how it reports conformity across all disciplines in line with requirements within **ISO/IEC: 17025:2017**.

Where the laboratory reports a statement of conformity to a specification, guidance has been drawn on reporting structure and decision rules from ILAC document series **ILAC-G8:09/2019**.

Unless otherwise instructed by you the Customer, acceptance limits applied are derived from the manufacturers specification or applicable standard (e.g. DIN, EEC, BS etc.) or where applicable: SCQAR532\_RS Standard Limits for Calipers, available on request.

The statements found on this certificate produced by RS Components Laboratory are as follow:

- 1) Reported values with **No Annotation**:  
The instrument **passed** the stated specification, even with allowance having been made for the uncertainty of measurement, which carries no implication regarding the long-term stability of the instrument.
- 2) Reported values annotated with **"#"**:  
The measured result is a **conditional pass** to the limit but by a margin less than the measurement uncertainty, it is therefore not possible to state compliance based on the stated level of confidence.
- 3) Reported values annotated with **"###"**:  
The measured result is a **conditional fail** to the limit but by a margin less than the measurement uncertainty, it is therefore not possible to state compliance based on the stated level of confidence.
- 4) Reported values annotated with **"###"**:  
The measured result **failed** the stated specification, even with allowance having been made for the measurement uncertainty.

