

PKF



RS Calibration
Calibration and Repair Service
Serial No: 31306
Cert No: 1854788
Cal Date: 16 Mar 2024
Recal Due:

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

****Calibration Certificate****

Do Not Destroy

Calibration Certificate Attached: 1854788
OD ref: 1232355338

Plunger Dial Indicator

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 Lammass 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: 16 Mar 2024

Certificate No.

1854788



0310



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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Paul Frost

Client

TOTAL LABORATORY SERVICES LTD
BLANDFORD FORUM
DORSET
DT11 8ST

Instrument

Plunger Dial Indicator

Serial No.

31306

Client Reference

N/A

Procedure ID.

D03_1500_# Rev. P6

Date of Calibration

16 Mar 2024

Remarks

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

Note:

Revolution counter set to zero to start calibration with a further 10 revolutions to achieve the measured results.

Uncertainties

The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence 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.

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0310



Calibration and Repair Service

Certificate No.
1854788

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Environment

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

Calibration

The instrument was held within the temperature controlled laboratory for a period of not less than 4 hours prior to calibration which was performed using a DTI calibration tester and in accordance with RS Calibration procedure MLCP17.

The recorded results were compared with BS 907:2008 specification.

	Limit (mm)	Measured Value (mm)	#
Repeatability :	0.002 0	0.001 0	
Discrimination :	0.003 0	0.001 0	

Interval of Reading	BS 907:2008 Limit (mm)	Maximum Deviation (mm)
Any 0.1 mm	0.005 0	0.003 0
Any half revolution	0.007 5	0.005 0
Any one revolution	0.010 0	0.004 0
Any two revolutions	0.015 0	0.005 0
Any larger interval	0.020 0	0.010 0

Uncertainty of Measurement : $\pm 0.002 \text{ mm}$

Calibrated By:- PKF

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0310



Calibration and Repair Service

Certificate No.

1854788

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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.

Reported values annotated with a #

The measured result is a conditional pass to the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the stated level of confidence.

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 manufacturer's 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.

