

CERTIFICATE OF CALIBRATION

Issued By: Mitutoyo (UK) Ltd. Calibration Laboratory

Date of Issue: 17-Oct-2023 Certificate No.: 325327



0332

Mitutoyo

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Approved Signatory:

G. Adams

Customer:

PPT Group UK Ltd
Halifax

Manufacturer

Mitutoyo

Description

600 mm Micrometer Setting Standard

Identification

167-124 **JH - 600** Serial No. 2097995

Calibration Conditions

Ambient Temperature
20.0 +/- 0.5 Degrees C.

Basis of Calibration

To calibrate at the above conditions using traceable calibrated results to the Manufacturer's Specification.

Date of Calibration

17-Oct-2023

Method of Calibration

This item has been calibrated to the above standard using traceable calibrated equipment listed on this certificate.

Estimated uncertainty of measurement:

$\pm 1.0 + (5 \times \text{length in metres})$ micrometres.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a coverage probability of approximately 95 %. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Authorised By

A handwritten signature in black ink, appearing to read 'G. Adams', is written over a horizontal line.

CERTIFICATE OF CALIBRATION



UKAS Accredited Calibration Laboratory No. 0332

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CHARACTERISTIC	NOMINAL	REQUIREMENT	ACTUAL
Length	600 mm	± 0.0130 mm	599.9971 mm
Parallelism		0.0020 mm	0.0004 mm

Decision:

Actual measured results are within the requirements and accepted based on the below decision rule.

Decision rule basis:

Unless the actual results stated on the calibration certificate are highlighted with an "*" they will be classed as within the requirement / tolerance and accepted based on the binary decision rule (simple accept or simple reject) from JCGM 106: 2012 Clause 8.2 where the expanded uncertainty for $k = 2$ is less than or equal to the requirement / tolerance allowing zero guard bands. Any actual measured results highlighted with an "*" will be classed as outside the requirement / tolerance and rejected based on the above decision rule (see the attached document DOC-006-42.1). If the uncertainty of measurement is greater than the requirements / tolerance, no compliance statement will be provided (as specified in M3003 clause M3.3).

Comments:

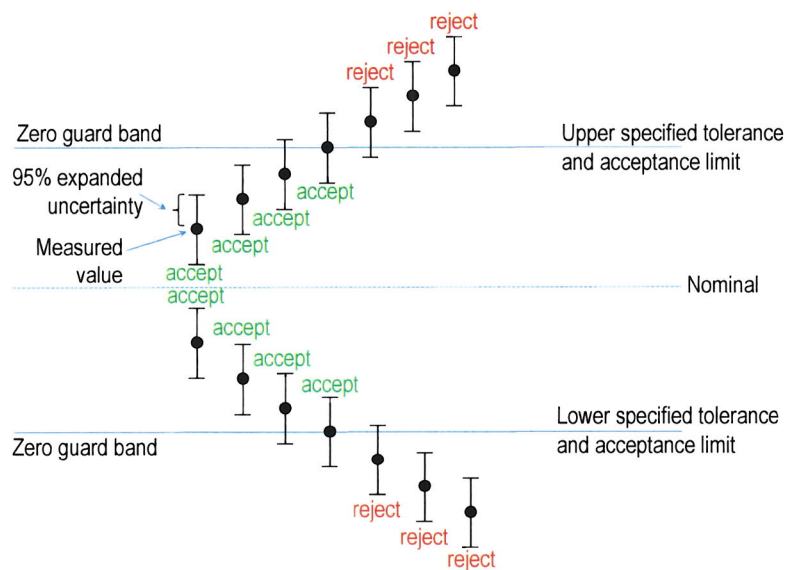
Traceable equipment used during calibration:

Identification Nr.	Description	Certificate Nr.
CZ 2	Metroscope	320035
WCL 363	Extension Gauge Block	151217

** End of report **

JCGM 106: 2012 Clause 8.2 - Decision rule based on simple acceptance / shared risk

Unless the actual results stated on the calibration certificate are highlighted with an “*” or “^” they will be classed as within requirements / tolerance and **accepted** based on the binary decision rule (simple accept or simple reject) where the expanded uncertainty for $k = 2$ is less than or equal to the requirement / tolerance allowing zero guard bands. Actual measured results highlighted with an “*” or “^” are outside requirements / tolerance and **rejected** based on the above decision rule.



Based on JCGM 106: 2012

NOTE: If the uncertainty of measurement is greater than the required requirements / tolerance, no compliance statement will be provided (as specified in M3003 clause M3.3). This will be clearly highlighted on the calibration certificate.