

CERTIFICATE OF CALIBRATION

Issued By **Mitutoyo (UK) Ltd. Calibration Laboratory**
Date of Issue **08 Feb 2023** Certificate No. **321486**



0332

Mitutoyo

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Approved Signatory:

G. Adams

CUSTOMER

PPT Group UK Ltd (Slinfold) t/a Mecmesin Limited
Horsham

MANUFACTURER

Mitutoyo

DESCRIPTION

825 mm Setting Rod

Equipment number: LB8

IDENTIFICATION

167-133

Serial No. 1076472

CALIBRATION CONDITIONS

Ambient Temperature
20.0 ± 0.5 Degree C

BASIS OF CALIBRATION

To calibrate at the above conditions to the Manufacturer's Specification.

DATE OF CALIBRATION

07 Feb 2023

Method of Calibration

This item has been calibrated to the above requirements using traceable calibrated equipment listed in this certificate.

Estimated uncertainty of measurement:

$\pm (1.5 + 5 \times \text{length in metres}) \mu\text{m}$

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

CERTIFICATE OF CALIBRATION



UKAS Accredited Calibration Laboratory No. 0332
Mitutoyo (UK) Ltd, 6 Banner Park, Wickmans Drive
Coventry, West Midlands CV4 9XA, United Kingdom

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CHARACTERISTIC		REQUIREMENT	ACTUAL
Nominal Length	825 mm	± 0.0175 mm	825.0061 mm
Parallelism of end faces		0.0020 mm	0.0015 mm

Note: Additional serial number LB8

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).

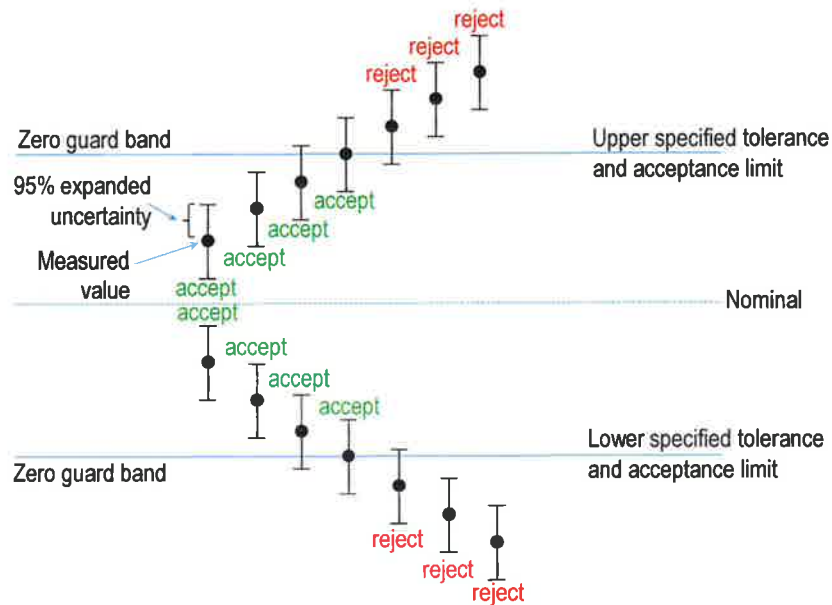
Traceable equipment used during calibration.

Identification Nr.	Description	Certificate Nr.
WCL 120	Gauge Block	320453
WCL 626	Mu-Checker System	317281
WCL 565	Checkmaster	2021020052/1/SG2/999
WCL 289	Grade '0' Surface Table	321562

** 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.