

# CERTIFICATE OF CALIBRATION

Issued By **Mitutoyo (UK) Ltd. Calibration Laboratory**  
Date of Issue **02 Mar 2023** Certificate No. **321924**



## Calibration Laboratory:

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Page: 1 of 2

## Approved Signatory:

G. Adams

## CUSTOMER

PPT Group UK Ltd  
t/a Mecmesin Limited Equipment number: LB8A  
Slinfold

## MANUFACTURER

Mitutoyo

## DESCRIPTION

825 mm Setting Rod

## IDENTIFICATION

167-133 Serial No. 0053544

## CALIBRATION CONDITIONS

Ambient Temperature  
20.0 ± 0.5 Degree C

## BASIS OF CALIBRATION

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

## DATE OF CALIBRATION

02 Mar 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:

$\pm 1.100 + (5 \times \text{length in metres}) \text{ micrometers.}$

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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**Page 2 of 2**

CHARACTERISTIC	REQUIREMENT		ACTUAL
Nominal Length	825 mm	$\pm 0.0175$ mm	825.0013mm
Parallelism of end faces		0.0020 mm	0.0016 mm

Decision: The actual uncertainty of measurement is higher than the requirements therefore no compliance statement can be provided.

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).

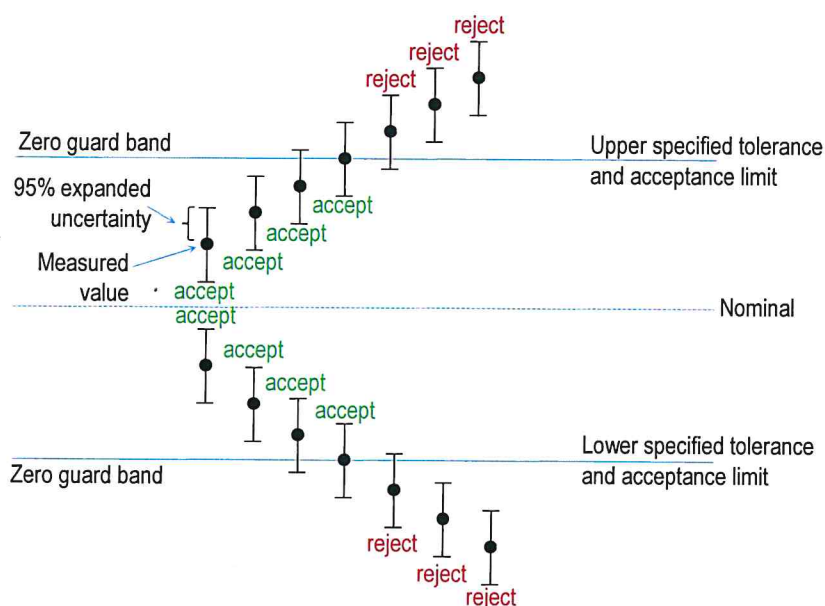
## Traceable equipment used during calibration.

Identification Nr.	Description	Certificate Nr.
WCL 474	Gauge Block	320460
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.