



CERTIFICATE OF CALIBRATION

Issued by and Calibrated at : Pennine Instrument Services Ltd
Date of Issue: 20 February 2024
Certificate Number: 063551-6R

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Approved Signatory
J.Strange

Calibrated For	PPT Group on behalf of DML Digital Micrometers Ltd
Address	S2 4BB
Make	Mitutoyo
Description / Model	300 mm External Micrometer Setting Gauge / 167-112
Serial Number	2076462 JH - 300
User Number	-
Date of Calibration	16 February 2024
ID Number	69612
Calibration Conditions	20.0°C ± 2°C
Basis of Calibration	BS 870:2008
Condition	The gauge was received in working order.
Method of calibration	The measurement was by means of comparison against length standards using a single axis measuring machine, as per procedure DCP004, as agreed by UKAS.
Conformity	Conformity / nonconformity statements are in accordance with "ILAC G8: 09/2019 Guidelines on Decision Rules and Statements of Conformity" Simple acceptance rule where the acceptance limit equals the tolerance limit provided that the tolerance to uncertainty ratio (TUR) ≥ 1:1. Where a measured result's TUR is not ≥ 1:1 the measured result is endorsed thus # because conformance cannot be determined.

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.

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TEST RESULTS

<u>Gauge Nominal Size</u>	<u>Serial Number</u>	<u>User Number</u>	<u>Measured</u>	<u>Specified Tolerance</u>	
300.0000 mm	2076462	-	300.0014 mm	0.0050 mm	(L)
			0.0013 mm	0.0030 mm	(P)

L = Measured Length P = Measured Parallelism

Uncertainties of Measurement : Length $\pm 1 + (8 \times \text{Length in m})\mu\text{m}$
Parallelism 0.000 7mm

***** END OF CALIBRATION DATA *****

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