

# CERTIFICATE OF CALIBRATION

ISSUED BY: LAMBDA CALIBRATION LTD

DATE OF ISSUE: 11<sup>th</sup> December 2023

CERTIFICATE No: 816680



**Lambda**  
CALIBRATION LTD

11-13 Chorley Central  
Business Park  
Stump Lane  
Chorley  
PR6 0BL  
Tel: 01257 244 670

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APPROVED SIGNATORY

  
C Reed E Santos R Armitage  
K Quigley D Pilkington

Customer: Mecmesin Ltd, Slinfold, Near Horsham, West Sussex, RH13 0SZ  
Item No: TM-0272  
Description: Digital Contact Tachometer  
Model/Range: DT-105A  
Manufacturer: Shimpo  
Date of Cal: 08/12/2023  
Basis: E-1000  
Equipment Used: Multifunction Calibrator (LMMC-02)  
Temp/Humidity: 20°C ± 2°C, <80%rh

## Visual /Operational Checks:

Unit Under Test (UUT) Condition	Functional
Battery	Functional

## Summary of Results:

Pre Calibration Status	The reported results fall within the specified tolerances.
Post Calibration Status	The reported results fall within the specified tolerances.
Adjustments	No
Repairs	No
Other Comments	-

Measured results and measurement uncertainties are detailed on the following pages.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a coverage probability of approximately 95%. Unless otherwise stated: [1] The 'Compliance Statement' is based on 'simple acceptance' (result vs tolerance) with the relevant calibration uncertainty being no greater than the tolerance. [2] Reported activities were carried out at the address detailed in the header. [3] The results relate only to the items calibrated.

This certificate 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.

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ISSUED BY: LAMBDA CALIBRATION LTD

UKAS ACCREDITED CALIBRATION LABORATORY No: 0495

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816680

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## Contact Tachometer Accuracy

RPM were applied directly to the transducer.

Applied Value (rpm)	UUT Indication (rpm)	Manufacturer Tolerance (rpm)
100.00	100.00	±0.06
250.00	250.01	±0.06
500.00	500.02	±0.06
1000.0	1000.0	±0.6
2500.0	2500.1	±0.6
3000.0	3000.1	±0.6
4000.0	4000.2	±0.6
5000.0	5000.2	±0.6
10000.0	9999.5	±0.6

## Estimated Uncertainty of Measurement:

RPM: ±3 LSD