Certificate of Calibration

Date of Issue 28 April 2026

Certificate No. 5066830001

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Issued by
Trescal Ltd
Park Gate Close, Bredbury Park Way
Bredbury, Stockport
SK6 2SL, UK
Tel: +44 (0)161 4067878

APPROVED SIGNATORY
Hazem Salama (892)
(Signed electronically)

Customer:
PPT Group UK Ltd t/a Mecmesin, Newton House, Spring Copse Business Park
Slinfold, Horsham, West Sussex, RH13 0SZ

Location of calibration:
Trescal Ltd, Park Gate Close, Bredbury Park Way
Bredbury, Stockport, SK6 2SL, UK

Equipment Details:

Description:	Speed Verification Tool		
Manufacturer:	ELV	Customer Ref:	TMO437
Type No:	LSU 100	Date of Receipt:	17 Apr 2026
		Order No:	PO143999-1
Serial No:		Our Reference:	173474952
Calibrated By:	Alexandre Duarte	Date of Calibration:	28 Apr 2026

Calibration Summary
This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It 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.
Assessment of conformance has been undertaken in accordance with the agreed decision rule detailed within this certificate.

Status on Receipt: Measured Values Only
No assessment of conformance has been undertaken.

Status on Despatch: Measured Values Only
No assessment of conformance has been undertaken.

Action(s) Taken: Full Calibration

Ambient Conditions: Temperature: 20 ±2 °C Humidity: 35 ±20 % RH

Date of next calibration:

The results given within this certificate only relate to the item calibrated. The expanded uncertainties quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration. 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.

Agreed and applied Decision Rule used to determine conformance:

It has been stipulated by the customer that assessment of conformance is not required. (Trescal Rule 0)
Reference: Trescal document TRE/DEC/0004 Issue 1

Calibration Equipment Used

Asset No	Due Date	Asset No	Due Date
120518	30/11/2026	E492	30/09/2026
FC571	31/03/2027	FC675	31/08/2027

The following information and any identified symbols are used by Trescal in determining the conformance of the device at each measurement point, which is then evaluated in line with the requested decision rule. Where this decision rule is of a "Binary Rule" type then the "Conditional Pass & Fail" statuses are treated as specified by the chosen decision rule. The overall conformance statement determined is given on page one of this certificate.

Key to results annotations, where applicable

* The measurements marked thus have been determined to be outside the specification, due allowance having been made for the expanded uncertainty.
! The measurements marked thus are within the specification by a margin less than the expanded uncertainty.
^ The measurements marked thus are outside the specification by a margin less than the expanded uncertainty.
@ The expanded uncertainty is significant in relation to the unit specification and it is therefore not possible to demonstrate conformance unambiguously.
$ The measurements marked thus do not lie within the scope of the Laboratory's prevailing UKAS accreditation but are reported herein for completeness.

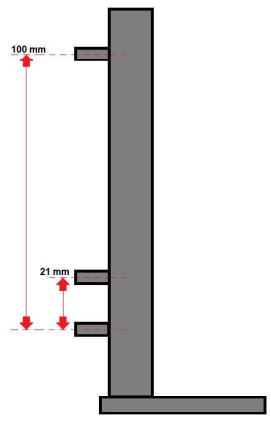
Basis of Test: Measured Results.

This instrument has been measured using laboratory standards for the distance between the laser sensors operating the stopwatch (Figure 1), with the datum laser being at the bottom of the column. Repeat readings were taken to determine the accuracy and the measured results reported in the following tables:

Position reference	Nominal length (mm)	Start position (mm)	Stop position (mm)	Measured length (mm)
1	21	148.325	169.223	20.898
2	21	148.324	169.259	20.935
3	21	148.344	169.179	20.835
4	21	148.320	169.206	20.886
5	21	148.292	169.240	20.948
Mean		148.321	169.221	20.900
Maximum variation		0.052	0.080	0.113

Position reference	Nominal length (mm)	Start position (mm)	Stop position (mm)	Measured length (mm)
1	100	148.325	248.320	99.995
2	100	148.324	248.293	99.969
3	100	148.344	248.318	99.974
4	100	148.320	248.324	100.004
5	100	148.292	248.312	100.020
Mean		148.321	248.313	99.992
Maximum variation		0.052	0.031	0.051

Figure 1



The dovetail bracket (Figure 2 & 3) was measured for the distance between faces with the following results:

Feature	Position	Nominal Distance (mm)	Measured Results (mm)	Mean Value (mm)	Parallelism (mm)
Upwards Distance	1	20.0	20.014	20.010	0.033
	2		20.012		
	3		20.010		
	4		20.008		
	5		20.007		

Feature	Position	Nominal Distance (mm)	Measured Results (mm)	Mean Value (mm)	Parallelism (mm)
Downwards Distance	1	20.0	19.945	19.956	0.051
	2		19.956		
	3		19.958		
	4		19.960		
	5		19.962		

Figure 2

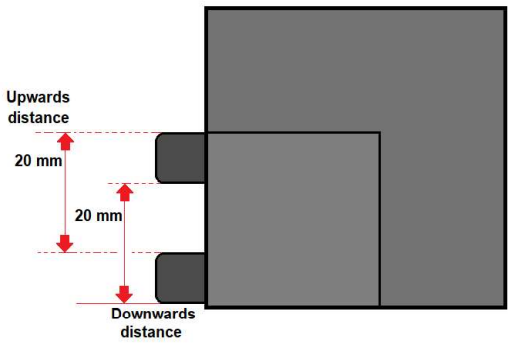
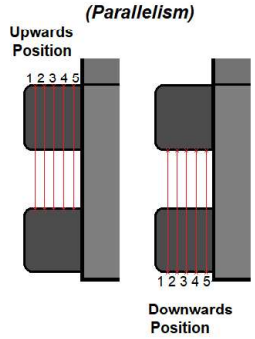


Figure 3



Uncertainty of measurement : ±0.008 mm (D*ovetail bracket*)
±0.005 mm (*Column Laser displacement detect*)

Calibration Procedure : QCD/CALP/18
Our Reference : AFD506683

Calibration Procedure: The instrument was placed in the laboratory for 24 hours prior to calibration for stabilization purposes. Tests were made by comparison with a standard counter at the given indications. The equipment was calibrated in a controlled environment using devices having known and traceable values. The uncertainties reported refer to the measured values only with no account being taken of the instrument ability to maintain its calibration.

Time checks

UUT Indication	Standard Indication	Standard Equivalent
00 min 05 sec 165	5.117 sec	0 min 05.117 sec
00 min 10 sec 180	10.122 sec	0 min 10.122 sec
00 min 30 sec 173	30.046 sec	0 min 30.046 sec
1 min 00 sec 201	60.107 sec	1 min 00.107 sec
5 min 00 sec 318	300.252 sec	5 min 00.252 sec
10 min 00 sec 398	600.309 sec	10 min 00.309 sec

The overall uncertainty in the measurement was:

± 0.065 seconds of indication

Specification taken from: Measured results

End of results