

# CERTIFICATE OF CALIBRATION

ISSUED BY: **M K I S** CALIBRATION COMPANY

DATE OF ISSUE: 06 September 2017

CERTIFICATE NUMBER: 3000



0236

## STANDARDS LABORATORY



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Approved  
Signatories

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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	140422854
Order Number:	TBA
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	04 September 2017
Date Calibrated:	05 September 2017

The instrument was kept in the laboratory environment for 24 hours, to allow the instrument to stabilise, prior to the tests being carried out.

The ambient temperature and relative humidity throughout the test was  $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$  and  $50\% \pm 20\%$  respectively.

The uncertainties reported refer to the applied and indicated values only with no account being taken of the instruments ability to maintain its calibration.

Remarks: No adjustments were made.

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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 3000

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Applied Value	Equivalent Value	Indicated Value
100.003 ms	599.98 RPM	600.0 RPM
60.002 ms	999.97 RPM	1000 RPM
12.000 4 ms	4999.8 RPM	5000 RPM
6.000 08 ms	9999.8 RPM	10 000 RPM
2.999 95 ms	20 000.3 RPM	20 000 RPM
2.000 04 ms	29 999.4 RPM	29 999 RPM
1.500 03 ms	39 999.2 RPM	39 999 RPM
1.200 04 ms	49 998.3 RPM	49 998 RPM
1.000 02 ms	59 998.8 RPM	59 998 RPM

The measurement uncertainties were:

Time  $\pm 0.1 \text{ RPM} + 1 \text{ LSD}$

END

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k = 2$ , providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.