

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 06 September 2017

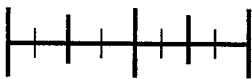
CERTIFICATE NUMBER: 3001



0236

STANDARDS LABORATORY

MKIS



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Approved
Signatories

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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	11119364
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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Certificate Number: 3001

UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
100.005 ms	599.97 RPM	600.0 RPM
59.997 ms	1000.05 RPM	1000 RPM
12.000 8 ms	4999.6 RPM	5000 RPM
6.000 40 ms	9999.3 RPM	9999 RPM
2.999 95 ms	20 000.3 RPM	20 000 RPM
1.999 98 ms	30 000.3 RPM	30 000 RPM
1.500 06 ms	39 998.4 RPM	39 998 RPM
1.199 92 ms	50 003.3 RPM	50 003 RPM
0.999 92 ms	60 004.8 RPM	60 005 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.