

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 08 May 2012

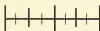
CERTIFICATE NUMBER: 2545



0236

STANDARDS LABORATORY

M K I S



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Approved
Signatories

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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	05118373
Order Number:	Ref Paul
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	04 May 2012
Date Calibrated:	08 May 2012

The instrument was kept in the laboratory environment for 2 Days, 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 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: 2545

UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
120.012 ms	499.95 RPM	500.0 RPM
59.998 0 ms	1000.03 RPM	1000 RPM
30.001 4 ms	1999.90 RPM	2000 RPM
15.001 2 ms	3999.68 RPM	4000 RPM
12.000 2 ms	4999.9 RPM	5000 RPM
10.000 4 ms	5999.8 RPM	5999 RPM
7.499 90 ms	8000.1 RPM	8000 RPM
6.000 82 ms	9998.6 RPM	9998 RPM
3.999 60 ms	15 001.5 RPM	15 001 RPM
3.000 15 ms	19 999.0 RPM	19 999 RPM

The measurement uncertainties were:

Time $\pm 0.01\% + 1 \text{ LSD}$

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.