

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 09 September 2013

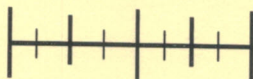
CERTIFICATE NUMBER: 2670



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 6234B
Serial Number:	08013379
Order Number:	T.B.A
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	06 September 2013
Date Calibrated:	09 September 2013

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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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2670

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Applied Value	Equivalent Value	Indicated Value
120.010 ms	499.96 RPM	499.9 RPM
59.984 0 ms	1000.3 RPM	1000 RPM
30.000 5 ms	1999.9 RPM	2000 RPM
15.000 8 ms	3999.8 RPM	4000 RPM
11.999 8 ms	5000.1 RPM	5000 RPM
9.999 50 ms	6000.3 RPM	6000 RPM
7.500 06 ms	7999.9 RPM	8000 RPM
6.000 10 ms	9998.3 RPM	9998 RPM
4.000 04 ms	14999.8 RPM	15 000 RPM
2.999 91 ms	20.000 6 RPM	20 001 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.
