

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 06 May 2011

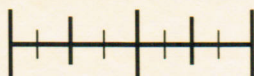
CERTIFICATE NUMBER: 2433



0236

STANDARDS LABORATORY

M K I S



Calibration Company

10 Potters Lane
Kiln Farm

Milton Keynes
MK11 3HE

Tel: 01908 568250
Fax: 01908 564661

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Approved
Signatories

R Younger
C Kemp

Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	05118373
Order Number:	17827
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	06 May 2011
Date Calibrated:	09 May 2011

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

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Applied Value	Equivalent Value	Indicated Value
120.004 ms	499.98 RPM	500.0 RPM
60.008 ms	999.86 RPM	999.9 RPM
29.992 ms	2 000.53 RPM	2 001 RPM
15.003 2 ms	3 999.15 RPM	3 999 RPM
12.0001 8 ms	4 999.25 RPM	4 999 RPM
10.000 6 ms	5 999.64 RPM	6 000 RPM
7.500 8 ms	7 999.15 RPM	7 999 RPM
6.001 0 ms	9 998.3 RPM	9 998 RPM
3.999 6 ms	15 001.5 RPM	15 001 RPM
2.999 8 ms	20 001.3 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.
