

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 29 October 2009

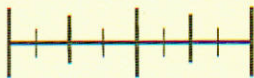
CERTIFICATE NUMBER: 2266



0236

STANDARDS LABORATORY

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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019419
Order Number:	17035
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	26 October 2009
Date Calibrated:	28 October 2009

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 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
120.06 ms	499.75 RPM	499.8 RPM
59.998 ms	1000.03 RPM	1000 RPM
29.990 ms	2000.67 RPM	2001 RPM
20.006 ms	2999.10 RPM	2999 RPM
14.996 ms	4001.07 RPM	4001 RPM
12.004 ms	4998.33 RPM	4999 RPM
10.000 ms	6000.00 RPM	6000 RPM
8.574 0 ms	6997.90 RPM	6998 RPM
7.499 8 ms	8000.21 RPM	8000 RPM
5.9995 ms	10 000.8 RPM	10 001 RPM
3.000 3 ms	19 998.0 RPM	19 998 RPM
1.499 6 ms	40 010.7 RPM	40 010 RPM
1.000 12 ms	59 992.8 RPM	59 993 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.