

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 29 October 2009

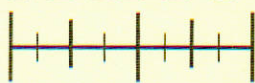
CERTIFICATE NUMBER: 2269



0236

STANDARDS LABORATORY

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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019369
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
120.10 ms	499.95 RPM	500.0 RPM
60.005 ms	999.92 RPM	1000 RPM
30.002 ms	1999.86 RPM	2000 RPM
20.006 ms	2999.10 RPM	2999 RPM
15.005 ms	3998.67 RPM	3998 RPM
12.005 ms	4997.92 RPM	4998 RPM
10.002 ms	5998.80 RPM	5999 RPM
8.575 0 ms	6997.08 RPM	6997 RPM
7.501 0 ms	7998.93 RPM	7999 RPM
6.000 2 ms	9 999.67 RPM	10 000 RPM
3.000 3 ms	19 998.0 RPM	19 998 RPM
1.500 2 ms	39.994 7 RPM	39 995 RPM
1.000 08 ms	59 995.2 RPM	59 995 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.