

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 20 April 2010

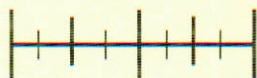
CERTIFICATE NUMBER: 2315



0236

STANDARDS LABORATORY

M K I S



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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	05118373
Order Number:	17304
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	20 April 2010
Date Calibrated:	21 April 2010

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 $50\% \pm 10\%$ 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: 2315

UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
119.778 ms	500.92 RPM	500.2 RPM
60.065 ms	998.92 RPM	1003 RPM
29.985 ms	2001.0 RPM	1999 RPM
15.005 ms	3998.7 RPM	4000 RPM
12.004 ms	4998.3 RPM	4996 RPM
9.998 5 ms	6000.9 RPM	6006 RPM
7.504 0 ms	7995.7 RPM	7995 RPM
5.999 2 ms	10 001.3 RPM	10 003 RPM
3.999 4 ms	15 002.3 RPM	14 973 RPM
2.999 70 ms	20 001.9 RPM	20 002 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.
