

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 24 April 2008

CERTIFICATE NUMBER: 2108



0236

STANDARDS LABORATORY



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Approved
Signatories

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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	05118373
Order Number:	16225
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	23 April 2008
Date Calibrated:	24 April 2008

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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UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
119.35 ms	501.94 RPM	501.9 RPM
60.118 ms	998.04 RPM	998 RPM
29.940 ms	2004.0 RPM	2004 RPM
14.980 ms	4005.3 RPM	4006 RPM
12.009 ms	4996.3 RPM	4996 RPM
10.005 ms	5996.9 RPM	5996 RPM
7.508 7 ms	7990.7 RPM	7990 RPM
5.996 4 ms	10006.0 RPM	10005 RPM
3.993 0 ms	15026.3 RPM	15027 RPM
3.000 41 ms	19997.3 RPM	19998 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.