

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 21 March 2006

CERTIFICATE NUMBER: 1785



0236

STANDARDS LABORATORY

M K I S



Calibration Company

Unit 4, Furtho Court
Towcester Road

Old Stratford
Milton Keynes
MK19 6AQ

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:	15242
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	10 March 2006
Date Calibrated:	14 March 2006

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 $50\% \pm 10\%$ 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
120.056 ms	499.76 RPM	499.8 RPM
60.306 ms	994.92 RPM	994.9 RPM
23.979 ms	2502.2 RPM	2502 RPM
12.006 0 ms	4997.08 RPM	4997 RPM
8.002 9 ms	7497.3 RPM	7497 RPM
5.994 3 ms	10 009.5 RPM	10 009 RPM
4.797 5 ms	12 506.5 RPM	12 507 RPM
3.998 5 ms	15 005.6 RPM	15 006 RPM
2.995 5 ms	20 030.0 RPM	20 030 RPM

The measurement uncertainties were:

Time ± 1 ppm + 1 LSD of indication

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.