

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 16 June 2009

CERTIFICATE NUMBER: 2225



0236

STANDARDS LABORATORY

M K I S



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Page 1 of 2 pages

Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	08013379
Order Number:	16850
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	11 June 2009
Date Calibrated:	15 June 2009

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 $50\% \pm 20\%$ 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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PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
119.804 ms	500.82 RPM	500.8 RPM
60.036 ms	999.40 RPM	999.4 RPM
29.977 ms	2001.5 RPM	2001 RPM
14.996 ms	4001.1 RPM	4001 RPM
12.004 ms	4998.3 RPM	4998 RPM
10.006 ms	5996.4 RPM	5997 RPM
7.489 9 ms	8010.8 RPM	8011 RPM
5.999 4 ms	10 001.0 RPM	10 001 RPM
4.000 2 ms	14 999.2 RPM	15 000 RPM
2.999 8 ms	20 001.3 RPM	20 001 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.