

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 26 September 2011

CERTIFICATE NUMBER: 2467



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:	S 659142
Order Number:	Ref Paul
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	22 September 2011
Date Calibrated:	26 September 2011

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

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
119.952 ms	500.19 RPM	500.2 RPM
60.002 ms	999.96 RPM	1000 RPM
29.998 ms	2000.1 RPM	2000 RPM
19.997 ms	3000.4 RPM	3001 RPM
15.006 ms	3998.4 RPM	3998 RPM
11.998 ms	5000.8 RPM	50001 RPM
10.003 ms	5998.2 RPM	5998 RPM
6.000 14 ms	9 999.8 RPM	10 000 RPM
3.000 24 ms	19 998.4 RPM	19 998 RPM
1.4999 84 ms	40 000.3 RPM	40 005 RPM
1.000 03 ms	59 998.2 RPM	59 998 RPM

The measurement uncertainties were:

Time $\pm 0.01\% + 1$ 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.
