

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 03 November 2010

CERTIFICATE NUMBER: 2390



0236

STANDARDS LABORATORY

M K I S



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Approved
Signatories

R Younger

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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019433
Order Number:	17579
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	29 October 2010
Date Calibrated:	03 November 2010

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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Applied Value	Equivalent Value	Indicated Value
120.50 ms	499.79 RPM	499.8 RPM
59.992 ms	1000.13 RPM	1000 RPM
30.002 ms	1999.86 RPM	1999 RPM
20.005 ms	2999.25 RPM	2999 RPM
14.997 ms	4000.80 RPM	4001 RPM
12.006 ms	4997.50 RPM	4998 RPM
9.998 0 ms	6001.20 RPM	6001 RPM
8.575 5 ms	6996.67 RPM	6997 RPM
7.501 2 ms	7998.72 RPM	7999 RPM
5.999 7 ms	10 000.5 RPM	10 001 RPM
3.000 4 ms	19 997.3 RPM	19 997 RPM
1.500 4 ms	39 989.3 RPM	39 989 RPM
0.999 98 ms	60 001.2 RPM	60 001 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.
