

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 03 November 2010

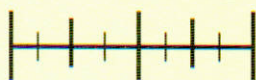
CERTIFICATE NUMBER: 2391



0236

STANDARDS LABORATORY

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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019369
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

Certificate Number: 2391

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Applied Value	Equivalent Value	Indicated Value
120.10 ms	499.58 RPM	499.6 RPM
59.995 ms	1000.08 RPM	1000 RPM
30.005 ms	1999.67 RPM	1999 RPM
20.010 ms	2998.50 RPM	2998 RPM
15.004 ms	3998.93 RPM	3999 RPM
12.003 ms	4998.75 RPM	4999 RPM
10.007 0 ms	5995.80 RPM	5996 RPM
8.576 0 ms	6996.27 RPM	6996 RPM
7.500 4 ms	7999.57 RPM	8000 RPM
5.999 5 ms	10 000.8 RPM	10 001 RPM
2.999 1 ms	20 006.0 RPM	20 006 RPM
1.500 3 ms	39 992.0 RPM	39 992 RPM
1.000 07 ms	59 995.8 RPM	59 996 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.