

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 27 October 2011

CERTIFICATE NUMBER: 2497



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019419
Order Number:	18072
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	21 October 2011
Date Calibrated:	27 October 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

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Applied Value	Equivalent Value	Indicated Value
120.002 ms	499.92 RPM	499.9 RPM
60.001 ms	999.98 RPM	1000 RPM
30.002 ms	1999.86 RPM	1999 RPM
20.000 ms	3000.0 RPM	3000 RPM
15.000 ms	4000.0 RPM	3999 RPM
12.000 ms	5000.0 RPM	4999 RPM
10.002 ms	5998.8 RPM	6000 RPM
8.574 9 ms	6997.16 RPM	6998 RPM
7.500 2 ms	7999.78 RPM	7999 RPM
6.000 4 ms	9999.33 RPM	9998 RPM
3.000 0 ms	20 000.0 RPM	20 001 RPM
1.500 1 ms	39 997.3 RPM	39 998 RPM
0.999 99 ms	60 000.6 RPM	60 000 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.