

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 03 June 2015

CERTIFICATE NUMBER: 2834



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6234B
Serial Number:	06019415
Order Number:	20116
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	02 June 2015
Date Calibrated:	03 June 2015

The instrument was kept in the laboratory environment for 24 hours , 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 and indicated 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: 2834

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Applied Value	Equivalent Value	Indicated Value
99.960 ms	600.24 RPM	600.2 RPM
59.994 ms	1000.10 RPM	1000 RPM
30.006 ms	1999.6 RPM	1999 RPM
19.998 ms	3000.3 RPM	3000 RPM
15.001 ms	3999.7 RPM	4000 RPM
12.002 ms	4999.2 RPM	4999 RPM
10.005 ms	5999.7 RPM	5999 RPM
8.576 2 ms	6996.1 RPM	6996 RPM
5.999 8 ms	10000.3 RPM	10000 RPM
3.000 12 ms	10000.3 RPM	10001 RPM
2.999 85 ms	19999.2 RPM	19999 RPM

The measurement uncertainties were:

Time $\pm 0.05 \text{ RPM} + 1 \text{ LSD}$

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.