

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 02 June 2014

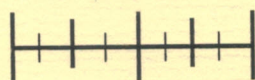
CERTIFICATE NUMBER: 2743



0236

STANDARDS LABORATORY

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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019415
Order Number:	19509
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	30 May 2014
Date Calibrated:	02 June 2014

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 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: 2743

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Applied Value	Equivalent Value	Indicated Value
120.08 ms	499.66 RPM	499.6 RPM
60.006 ms	999.90 RPM	1000 RPM
30.002 ms	1999.87 RPM	2000 RPM
19.999 ms	3000.3 RPM	3000 RPM
15.000 ms	4000.0 RPM	4000 RPM
12.001 ms	4999.6 RPM	5000 RPM
10.002 ms	5998.8 RPM	5999 RPM
8.576 2 ms	6996.1 RPM	6996 RPM
7.499 6 ms	8000.4 RPM	8001 RPM
5.999 8 ms	10000.3 RPM	10001 RPM
2.999 85 ms	20 001.0 RPM	20 002 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.