

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 07 November 2013

CERTIFICATE NUMBER: 2691



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Unknown
Type:	DT-2234 C
Serial Number:	S027793
Order Number:	Verbal
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	05 November 2013
Date Calibrated:	07 November 2013

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: 2691

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Applied Value	Equivalent Value	Indicated Value
100.004 ms	599.97 RPM	600.0 RPM
59.999 ms	1000.01 RPM	1000 RPM
30.002 ms	1999.8 RPM	1999 RPM
15.000 6 ms	3999.8 RPM	3999 RPM
10.000 4 ms	5999.7 RPM	5999 RPM
6.000 10 ms	9999.8 RPM	10 000 RPM
4.000 02 ms	14999.9 RPM	15 001 RPM
3.000 00 ms	20000.0 RPM	20001 RPM
1.500 02 ms	39999.4 RPM	39999 RPM

The measurement uncertainties were:

Time $\pm 0.01\% + 1$ 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.