

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 13 September 2012

CERTIFICATE NUMBER: 2582



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078389
Order Number:	18535
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	10 September 2012
Date Calibrated:	13 September 2012

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
99.980 ms	600.12 RPM	600.1 RPM
60.003 ms	999.95 RPM	1000 RPM
30.005 ms	1999.7 RPM	1999 RPM
14.993 ms	4001.9 RPM	4002 RPM
9.999 1 ms	6000.5 RPM	6001 RPM
6.000 12 ms	9 999.8 RPM	10 000 RPM
3.999 88 ms	15 000.5 RPM	15 001 RPM
2.999 83 ms	20 001.1 RPM	20 001 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.