

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 13 September 2012

CERTIFICATE NUMBER: 2583



0236

STANDARDS LABORATORY



10 Potters Lane
Kiln Farm

Milton Keynes
MK11 3HE

Tel: 01908 568250
Fax: 01908 564661

Page 1 of 2 pages

Approved
Signatories

R Younger
C Kemp

Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078365
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.

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2583

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
100.05 ms	599.70 RPM	599.7 RPM
60.006 ms	999.90 RPM	1000 RPM
29.993 ms	2000.5 RPM	2001 RPM
14.998 ms	4000.5 RPM	4001 RPM
10.000 5 ms	5999.7 RPM	6000 RPM
6.000 05 ms	9 999.9 RPM	10 000 RPM
4.000 13 ms	14 999.5 RPM	14 999 RPM
3.000 08 ms	19 999.5 RPM	19 999 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.
