

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 31 May 2013

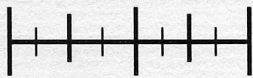
CERTIFICATE NUMBER: 2649



0236

STANDARDS LABORATORY

M K I S



Calibration Company

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:	ST 6236B
Serial Number:	06019415
Order Number:	18848
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	29 May 2013
Date Calibrated:	31 May 2013

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: 2649

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
120.000 ms	500.00 RPM	500.0 RPM
60.001 ms	999.98 RPM	1000 RPM
29.999 ms	2000.06 RPM	2000 RPM
20.000 ms	3000.0 RPM	3000 RPM
14.999 ms	4000.2 RPM	4000 RPM
12.000 ms	5000.0 RPM	5000 RPM
10.002 ms	5998.8 RPM	5999 RPM
8.575 1 ms	6997.0 RPM	6997 RPM
7.500 4 ms	7999.6 RPM	7999 RPM
5.999 5 ms	10000.8 RPM	10002 RPM
2.999 9 ms	20 000.6 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.