

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 02 June 2016

CERTIFICATE NUMBER: 2914



0236

STANDARDS LABORATORY

Page 1 of 2 pages



10 Potters Lane
Kiln Farm

Milton Keynes
MK11 3HE

Tel: 01908 568250
Fax: 01908 564661

Approved
Signatories

R Younger
C Kemp

Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	ST-6234B
Serial Number:	06019415
Order Number:	NS 20633
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	25 May 2016
Date Calibrated:	02 June 2016

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.

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2914

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
99.998 ms	600.01 RPM	600.0 RPM
60.001 ms	999.98 RPM	1000 RPM
24.000 ms	2500.0 RPM	2500 RPM
12.001 ms	4999.5 RPM	4999 RPM
8.000 1 ms	7499.9 RPM	7500 RPM
6.000 1 ms	9 999.8 RPM	10 000 RPM
4.285 54 ms	14000.5 RPM	14 000 RPM
3.000 01 ms	19999.9 RPM	20 000 RPM
2.400 02 ms	24999.8 RPM	25 000 RPM
2.000 04 ms	29999.4 RPM	29 999 RPM
1.500 01 ms	39999.7 RPM	40 000 RPM
1.199 99 ms	50000.4 RPM	50 000 RPM
0.999 99 ms	60000.6 RPM	60 000 RPM

The measurement uncertainties were:

Time $\pm 0.1 \text{ RPM} + 1 \text{ LSD}$

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.
