

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 16 October 2017

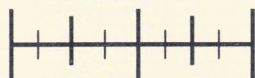
CERTIFICATE NUMBER: 3014



0236

STANDARDS LABORATORY

MKIS



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:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078435
Order Number:	Ref :- Martin Paragreen
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	12 October 2017
Date Calibrated:	13 October 2017

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.

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 3014

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
99.996 ms	600.02 RPM	600.0 RPM
59.998 ms	1000.0 RPM	1000 RPM
24.008 ms	2499.2 RPM	2499 RPM
12.001 6 ms	4999.3 RPM	4999 RPM
8.000 42 ms	7499.6 RPM	7500 RPM
5.999 97 ms	10 000.1 RPM	10 000 RPM
4.000 05 ms	14 999.8 RPM	15 000 RPM
3.000 03 ms	19 999.8 RPM	20 000 RPM
2.400 08 ms	24 999.2 RPM	24 999 RPM
1.999 92 ms	30 001.2 RPM	30 001 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.