

# CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 13 September 2016

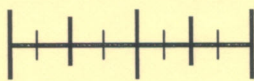
CERTIFICATE NUMBER: 2930



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:	140422841
Order Number:	NS 20800
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	08 September 2016
Date Calibrated:	13 September 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: 2930

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
100.005 ms	599.97 RPM	600.0 RPM
60.008 ms	999.86 RPM	999.8 RPM
24.003 ms	2499.7 RPM	2500 RPM
12.003 ms	4998.7 RPM	4999 RPM
7.998 0 ms	7501.9 RPM	7502 RPM
6.000 5 ms	9999.2 RPM	9999 RPM
4.000 12 ms	14999.6 RPM	14 999 RPM
3.000 02 ms	19999.8 RPM	20 000 RPM
2.400 05 ms	24999.5 RPM	24 999 RPM
1.999 97 ms	30000.4 RPM	30 000 RPM
1.499 95 ms	40001.3 RPM	40 001 RPM
1.199 98 ms	50000.8 RPM	50 001 RPM
1.000 04 ms	59997.6 RPM	59 998 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.