

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 02 June 2016

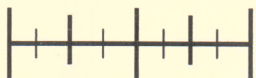
CERTIFICATE NUMBER: 2917



0236

STANDARDS LABORATORY

M K I S



Calibration Company

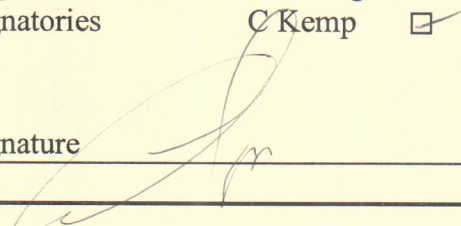
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Approved Signatories R Younger
C Kemp

Signature 

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	11119364
Order Number:	NS 20633
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	25 May 2016
Date Calibrated:	01 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.

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UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
99.999 ms	600.00 RPM	600.0 RPM
59.999 ms	1000.01 RPM	1000 RPM
24.001 ms	2499.9 RPM	2500 RPM
12.000 ms	5000.0 RPM	5000 RPM
8.000 2 ms	7499.8 RPM	7500 RPM
5.999 9 ms	10000.2 RPM	10 001 RPM
4.285 66 ms	14000.2 RPM	14 001 RPM
2.999 93 ms	20000.5 RPM	20 001 RPM
2.400 02 ms	24999.8 RPM	25 000 RPM
1.999 99 ms	30000.1 RPM	30 001 RPM
1.500 01 ms	39999.7 RPM	40 000 RPM
1.200 01 ms	49999.5 RPM	50 000 RPM
1.000 00 ms	60000.0 RPM	60 001 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.
