

CERTIFICATE OF CALIBRATION

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

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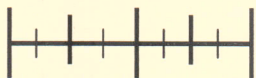
CERTIFICATE NUMBER: 2916



0236

STANDARDS LABORATORY

M K I S



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Approved
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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078442
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

Certificate Number: 2916

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Applied Value	Equivalent Value	Indicated Value
99.999 ms	600.00 RPM	600.0 RPM
60.001 ms	999.98 RPM	1000 RPM
24.002 ms	2499.8 RPM	2500 RPM
12.000 ms	5000.0 RPM	5000 RPM
7.999 9 ms	7500.1 RPM	7501 RPM
5.999 8 ms	10000.3 RPM	10 001 RPM
4.285 56 ms	14000.5 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
1.499 99 ms	40000.2 RPM	40 001 RPM
1.199 98 ms	50000. 8 RPM	50 002 RPM
1.000 01 ms	59999.4 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.
