

# CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 22 September 2016

CERTIFICATE NUMBER: 2935



0236

## STANDARDS LABORATORY



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Approved  
Signatories

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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078435
Order Number:	NS 20815
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	20 September 2016
Date Calibrated:	22 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.



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UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
99.997 ms	600.02 RPM	600.0 RPM
60.008 ms	999.87 RPM	999.8 RPM
24.006 ms	2499.4 RPM	2499 RPM
11.996 ms	5001.7 RPM	5002 RPM
7.999 4 ms	7500.6 RPM	7501 RPM
6.000 6 ms	9999.0 RPM	9999 RPM
3.999 86 ms	15000.5 RPM	15 000 RPM
3.000 08 ms	19999.5 RPM	19 999 RPM
2.400 12 ms	24998.7 RPM	24 999 RPM
2.000 04 ms	29999.4 RPM	29 999 RPM
1.500 11 ms	39997.1 RPM	39 997 RPM
1.200 07 ms	49997.1 RPM	49 997 RPM
1.000 08 ms	59995.2 RPM	59 995 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.