

# CERTIFICATE OF CALIBRATION

ISSUED BY: **MKIS** CALIBRATION COMPANY

DATE OF ISSUE: 29 October 2009

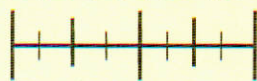
CERTIFICATE NUMBER: 2268



0236

## STANDARDS LABORATORY

# MKIS



Calibration Company

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Approved  
Signatories

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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019415
Order Number:	17035
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	26 October 2009
Date Calibrated:	28 October 2009

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 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: 2268

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Applied Value	Equivalent Value	Indicated Value
120.03 ms	499.88 RPM	500.0 RPM
60.004 ms	999.93 RPM	1000 RPM
30.005 ms	1999.67 RPM	1999 RPM
19.998 ms	3000.30 RPM	3000 RPM
15.002 ms	3999.46 RPM	3999 RPM
12.002 ms	4999.17 RPM	4999 RPM
9.999 9 ms	6000.06 RPM	6000 RPM
8.574 8 ms	6997.25 RPM	6997 RPM
7.500 8 ms	7999.15 RPM	7999 RPM
6.0004 ms	9 999.3 RPM	9 999 RPM
3.000 5 ms	19 996 6 RPM	19 997 RPM
1.499 8 ms	40 005.3 RPM	40 005 RPM
1.000 07 ms	59 995.8 RPM	59 996 RPM

The measurement uncertainties were:

Time  $\pm 0.01\% + 1 \text{ LSD}$

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.