

# CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 24 June 2013

CERTIFICATE NUMBER: 2654



0236

## STANDARDS LABORATORY



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Approved  
Signatories

R Younger   
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	05118373
Order Number:	18914
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	21 June 2013
Date Calibrated:	24 June 2013

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 values only with no account being taken of the instruments ability to maintain its calibration.

Remarks: No adjustments were made.

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Certificate Number: 2654

UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
120.015 ms	499.93 RPM	500.0 RPM
60.000 8 ms	999.98 RPM	1000 RPM
30.000 5 ms	1999.9 RPM	2000 RPM
15.000 7 ms	3999.8 RPM	4000 RPM
12.000 8 ms	4999.6 RPM	4999 RPM
10.000 4 ms	5999.8 RPM	6000 RPM
7.499 92 ms	8000.1 RPM	8000 RPM
5.998 85 ms	10000.2 RPM	10000 RPM
4.000 08 ms	14999.7 RPM	15000 RPM
3.000 12 ms	19999.2 RPM	19999 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.