

# CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 13 September 2012

CERTIFICATE NUMBER: 2587



0236

## STANDARDS LABORATORY



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Approved  
Signatories

R Younger   
C Kemp

Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	12078449
Order Number:	18535
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	10 September 2012
Date Calibrated:	13 September 2012

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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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2587

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Applied Value	Equivalent Value	Indicated Value
100.02 ms	599.88 RPM	599.9 RPM
60.002 ms	999.97 RPM	1000 RPM
29.998 ms	2000.1 RPM	2000 RPM
14.998 ms	4000.5 RPM	4000 RPM
10.000 5 ms	5999.7 RPM	6000 RPM
5.997 52 ms	10 004.1 RPM	10 004 RPM
4.000 20 ms	14 999.3 RPM	14 999 RPM
2.998 15 ms	20 012.3 RPM	20 012 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.

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