

# CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 15 September 2011

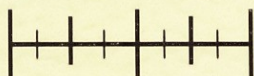
CERTIFICATE NUMBER: 2464



0236

STANDARDS LABORATORY

# M K I S



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Page 1 of 2 pages

Approved  
Signatories

R Younger   
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	08013379
Order Number:	18002
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	12 September 2011
Date Calibrated:	15 September 2011

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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Certificate Number: 2464

UKAS Accredited Calibration Laboratory No. 0236

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
119.94 ms	500.25 RPM	500.3 RPM
60.005 ms	999.92 RPM	1000 RPM
29.992 ms	2000.5 RPM	2000 RPM
20.006 ms	2999.1 RPM	2999 RPM
15.009 ms	3997.6 RPM	3997 RPM
12.004 ms	4998.3 RPM	4998 RPM
9.997 0 ms	6001.8 RPM	6002 RPM
5.999 51 ms	10 000.8 RPM	10 001 RPM
3.000 37 ms	19 997.5 RPM	19 997 RPM
1.500 24 ms	39.993.6 RPM	39 994 RPM
1.000 03 ms	59 998.2 RPM	59 998 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.