

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 07 November 2013

CERTIFICATE NUMBER: 2692



0236

STANDARDS LABORATORY



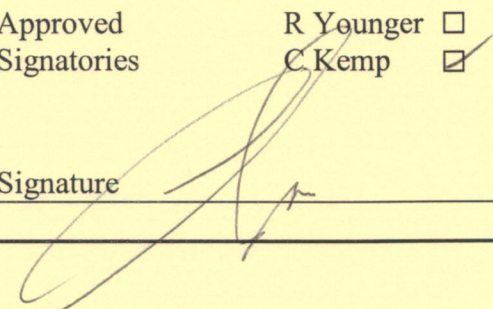
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Page 1 of 2 pages

Approved Signatories R Younger
C Kemp

Signature 

Equipment Description:	Tachometer
Manufacturer:	Unknown
Type:	DT-2234 C
Serial Number:	S016216
Order Number:	Verbal
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	05 November 2013
Date Calibrated:	07 November 2013

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 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

Certificate Number: 2692

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
100.002 ms	599.98 RPM	600.0 RPM
60.004 ms	999.93 RPM	999.9 RPM
29.999 ms	2000.06 RPM	2000 RPM
15.000 2 ms	3999.9 RPM	4000 RPM
9.999 90 ms	6000.1 RPM	6000 RPM
6.000 09 ms	9999.8 RPM	10 000 RPM
4.000 03 ms	14999.8 RPM	14999 RPM
3.000 10 ms	19999.3 RPM	19999 RPM
1.500 06 ms	39998.4 RPM	39999 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.

