

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 07 November 2013

CERTIFICATE NUMBER: 2693



0236

STANDARDS LABORATORY

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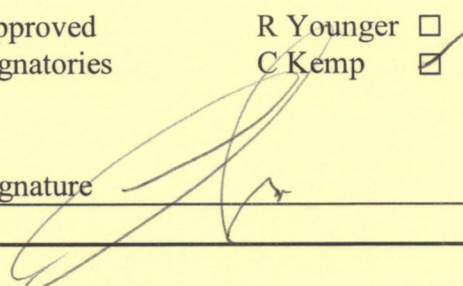


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Approved Signatories R Younger
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Signature 

Equipment Description:	Tachometer
Manufacturer:	Unknown
Type:	DT-2234 C
Serial Number:	S016185
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: 2693

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Applied Value	Equivalent Value	Indicated Value
100.000 ms	600.00 RPM	600.0 RPM
59.999 ms	1000.01 RPM	1000 RPM
29.998 ms	2000.1 RPM	2000 RPM
15.000 7 ms	3999.8 RPM	4000 RPM
10.000 1 ms	5999.9 RPM	6000 RPM
6.000 00 ms	10000.0 RPM	10 000 RPM
4.000 06 ms	14999.7 RPM	15001 RPM
3.000 08 ms	19999.5 RPM	20001 RPM
1.499 97 ms	40000.8 RPM	40002 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.