

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 24 October 2014

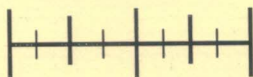
CERTIFICATE NUMBER: 2773



0236

STANDARDS LABORATORY

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Approved
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Signature

Equipment Description:	Tachometer
Manufacturer:	Unknown
Type:	DT-2234 C
Serial Number:	S016237
Order Number:	19770
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	20 October 2014
Date Calibrated:	22 October 2014

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 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: 2773

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Applied Value	Equivalent Value	Indicated Value
119.994 ms	500.02 rpm	500.0 rpm
59.999 6 ms	1000.01 rpm	1000 rpm
29.999 0 ms	2000.06 rpm	2000 rpm
15.000 9 ms	3999.7 rpm	4000 rpm
11.999 1 ms	5000.3 rpm	5000 rpm
10.000 5 ms	5999.7 rpm	6000 rpm
5.999 60 ms	10 000.6 rpm	10 002 rpm
4.000 01 ms	14 999.9 rpm	14 999 rpm
2.999 80 ms	20 001.3 rpm	20 001 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.