

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 19 January 2015

CERTIFICATE NUMBER: 2792



0236

STANDARDS LABORATORY



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Approved
Signatories

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Signature

Equipment Description:	Digital Tachometer
Manufacturer:	Not named
Type:	DT 2234C
Serial Number:	SO27793
Order Number:	19915
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	15 January 2015
Date Calibrated:	19 January 2015

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

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Applied Value	Equivalent Value	Indicated Value
100.008 ms	599.95 rpm	599.9 rpm
60.004 ms	999.93 rpm	1000 rpm
29.997 ms	2000.2 rpm	2000 rpm
15.000 8 ms	3999.8 rpm	4000 rpm
10.000 4 ms	5999.7 rpm	6000 rpm
6.000 08 ms	9 999.8 rpm	10 000 rpm
3.999 85 ms	15 000.6 rpm	15 001 rpm
2.999 88 ms	20 000.8 rpm	20 001 rpm
1.500 10 ms	39 997.3 rpm	39 997 rpm

The measurement uncertainties were:

RPM ± 0.05 RPM + 1 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.