

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 19 January 2015

CERTIFICATE NUMBER: 2791



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Digital Tachometer
Manufacturer:	Standard
Type:	ST 6234B
Serial Number:	06019369
Order Number:	19915
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	14 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
100.002 ms	599.99 rpm	600.0 rpm
60.004 ms	999.93 rpm	999.9 rpm
30.001 ms	1999.9 rpm	2000 rpm
15.000 7 ms	3999.8 rpm	4000 rpm
10.000 5 ms	5999.7 rpm	6000 rpm
6.000 10 ms	9 999.8 rpm	10 000 rpm
4.000 04 ms	14 999.8 rpm	15 000 rpm
2.999 90 ms	20 000.6 rpm	20 001 rpm
1.500 08 ms	39 997.8 rpm	39 998 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.