

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 04 August 2014

CERTIFICATE NUMBER: 2757



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6234B
Serial Number:	06019369
Order Number:	19618
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	31 July 2014
Date Calibrated:	04 August 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: 2757

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Applied Value	Equivalent Value	Indicated Value
120.015 ms	499.94 RPM	499.9 RPM
60.001 2 ms	999.98 RPM	1000 RPM
30.001 5 ms	1998.9 RPM	1999 RPM
15.001 0 ms	3999.7 RPM	4000 RPM
11.999 8 ms	5000.1 RPM	5000 RPM
9.998 8 ms	6000.7 RPM	6001 RPM
6.000 12 ms	9 999.8 RPM	10 000 RPM
4.000 07 ms	14999.7 RPM	15 000 RPM
2.999 85 ms	20.001.0 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.