CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 03 November 2010

CERTIFICATE NUMBER: 2392

UKAS CALIBRATION

0236

MKIS

Calibration Company

STANDARDS LABORATORY

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Signature

Equipment Description:	Tachometer
Manufacturer:	Standard
Type:	ST 6236B
Serial Number:	06019419
Order Number:	17579
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	29 October 2010
Date Calibrated:	03 November 2010

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°C ± 2°C and 50% ± 20% respectively.

The uncertainties reported refer to the applied 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: 2392

Applied Value	Equivalent Value	Indicated Value
120.008 ms	499.97 RPM	500.0 RPM
59.992 ms	1000.13 RPM	1000 RPM
30.005 ms	1999.70 RPM	2000 RPM
20.004 ms	2999.40 RPM	2999 RPM
15.007 ms	3998.13 RPM	3998 RPM
11.997 ms	5001.25 RPM	5001 RPM
10.003 2 ms	5998.08 RPM	5998 RPM
8.575 5 ms	6996.67 RPM	6997 RPM
7.500 7 ms	7999.25 RPM	7999 RPM
5.999 7 ms	10 000.5 RPM	10 001 RPM
2.999 4 ms	20 004.0 RPM	20 004 RPM
1.500 3 ms	39 992.0 RPM	39 992 RPM
1.000 05 ms	59 997.0 RPM	59 997 RPM

The measurement uncertainties were:

Time ± 0.01% + 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.