## CERTIFICATE OF CALIBRATION

ISSUED BY: M K I S CALIBRATION COMPANY

DATE OF ISSUE: 08 May 2012

CERTIFICATE NUMBER: 2545



## STANDARDS LABORATORY

MKIS

10 Potters Lane Kiln Farm

Milton Keynes MK11 3HF Tel: 01908 568250 Fax: 01908 564661 Page 1 of 2 pages

Approved Signatories

Signature /

R Younger

Equipment Description:

Manufacturer: Type: Serial Number: Order Number: Customer:

Customer: Location: Date Received: Date Calibrated: Tachometer Standard ST 6236B

05118373 Ref Paul

D J B Labcare Newport Pagnell 04 May 2012

08 May 2012

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  $^{\circ}C\pm2^{\circ}C$  and 50%  $\pm20\%$  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.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to recognised national standards and to units of measurement related at the National Physical Laboratory or other recognised national standards abboratories. This certificate may be reproduced of the national standards abboratories. This certificate may be reproduced or the national standards abboratories. The first issuing laboratory, and the produced of the produce

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UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Val	ue Indicated Va	lue
120.012 ms	499.95 RP	M 500.0 R	PM
59.998 0 ms	1000.03 RP	M 1000 R	PM
30.001 4 ms	1999.90 RP	M 2000 R	PM
15.001 2 ms	3999.68 RP	M 4000 R	PM
12.000 2 ms	4999.9 RP	M 5000 R	PM
10.000 4 ms	5999.8 RP	M 5999 R	PM
7.499 90 ms	8000.1 RP	M 8000 R	PM
6.000 82 ms	9998.6 RP	M 9998 R	PM
3.999 60 ms	15 001.5 RP	M 15 001 R	PM
3.000 15 ms	19 999.0 RP	M 19 999 R	PM

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.