## CERTIFICATE OF CALIBRATION

ISSUED BY: M K LS CALIBRATION COMPANY

DATE OF ISSUE: 13 September 2012

CERTIFICATE NUMBER: 2582



STANDARDS LABORATORY

MKIS Calibration Company

10 Potters Lane Kiln Form

Milton Keynes MK11 3HF

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Approved

Signatories

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Signature

Younger Z Kemp

Equipment Description:

Manufacturer:

Type: Serial Number:

Order Number:

Customer Location:

Date Received: Date Calibrated: Tachometer Standard AT-6 12078389

18535

D I B Labcare Newport Pagnell

10 September 2012

13 September 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°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.

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 realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 2582

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Applied Va	lue	Equivalent '	Value	Indicated '	Value
99.980	ms	600.12	RPM	600.1	RPM
60.003	ms	999.95	RPM	1000	RPM
30.005	ms	1999.7	RPM	1999	RPM
14.993	ms	4001.9	RPM	4002	RPM
9.999 1	ms	6000.5	RPM	6001	RPM
6.000 12	ms	9 999.8	RPM	10 000	RPM
3.999 88	ms	15 000.5	RPM	15 001	RPM
2.999 83	ms	20 001.1	RPM	20 001	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.