CERTIFICATE OF CALIBRATION

ISSUED BY: M K I S CALIBRATION COMPANY

DATE OF ISSUE: 13 September 2012

CERTIFICATE NUMBER: 2585



STANDARDS LABORATORY

MKIS Calibration Company

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Milton Keynes

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Approved Signatories

Signature

Younger P Kemp

Equipment Description:

Manufacturer: Type:

Serial Number: Order Number:

Customer Location:

Date Received: Date Calibrated: Tachometer Standard

AT-6 12078442 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 tracability 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: 2585

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Applied Value	Equivalent '	Value	Indicated	Value
99.998 ms	600.01	RPM	600.0	RPM
60.004 ms	999.93	RPM	999.9	RPM
30.003 ms	1999.8	RPM	2000	RPM
14.995 ms	4001.3	RPM	4001	RPM
10.002 ms	5998.8	RPM	5999	RPM
5.999 8 ms	10 000.3	RPM	10 000	RPM
4.000 71 ms	14 997.3	RPM	14 997	RPM
3.000 12 ms	19 999.2	RPM	19 999	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.