## CERTIFICATE OF CALIBRATION

ISSUED BY: MKIS CALIBRATION COMPANY

DATE OF ISSUE: 21 March 2006

CERTIFICATE NUMBER: 1785



R Younger

C-Kemp

## STANDARDS LABORATORY

MKIS

Calibration Company

Unit 4, Furtho Court Towcester Road

Old Stratford

Milton Keynes

MK19 6AQ

Page 1 of 2 pages

Approved Signatories

Signature

Tachometer Equipment Description:

Standard Manufacturer:

ST 6236B Type:

05118373 Serial Number:

15242 Order Number:

D J B Labcare Customer:

Newport Pagnell Location:

10 March 2006 Date Received:

14 March 2006 Date Calibrated:

The instrument was kept in the laboratory environment for 2 Days, to allow the instrument to stabilise, prior to the tests being carried out.

Tel: 01908 568250

Fax: 01908 564661

The ambient temperature and relative humidity throughout the test was 20°C ± 2°C and  $50\% \pm 10\%$  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.

## **CERTIFICATE OF CALIBRATION**

Certificate Number: 1785

UKAS Accredited Calibration Laboratory No. 0236

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
120.056 ms	499.76 RPM	499.8 RPM
60.306 ms	994.92 RPM	994.9 RPM
23.979 ms	2502.2 RPM	2502 RPM
12.006 0 ms	4997.08 RPM	4997 RPM
8.002 9 ms	7497.3 RPM	7497 RPM
5.994 3 ms	10 009.5 RPM	10 009 RPM
4.797 5 ms	12 506.5 RPM	12 507 RPM
3.998 5 ms	15 005.6 RPM	15 006 RPM
2.995 5 ms	20 030.0 RPM	20 030 RPM

The measurement uncertainties were:

Time  $\pm 1$  ppm + 1 LSD of indication

**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.