

# CERTIFICATE OF CALIBRATION

ISSUED BY:- MKIS CALIBRATION COMPANY

DATE OF ISSUE:- 12 June 2018

CERTIFICATE NUMBER:- 3077



0236

## STANDARDS LABORATORY



10 Potters Lane  
Kiln Farm

Milton Keynes  
MK11 3HE

Tel: 01908 568250  
Fax: 01908 564661

Page 1 of 2 pages

Approved  
Signatories

R Younger   
C Kemp

Signature

Checked

Equipment Description:

Optical Tachometer

Manufacturer:

Standard

Type:

AT-6

Serial Number:

12078442

Order Number:

NS21729

Customer:

DJB Labcare

Location:

Newport Pagnall

Date Received:

11 June 2018

Date Calibrated:

12 June 2018

The instrument was kept in the laboratory environment for 24 hours , to allow the instrument to stabilise, prior to the tests being carried out.

The ambient temperature and relative humidity throughout the test was  $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$  and  $50\% \pm 20\%$  respectively.

The uncertainties reported refer to the applied and indicated values only with no account being taken of the instruments ability to maintain its calibration.

Remarks:- **No Adjustments made.**

Calibration Procedures used:- **MKIS UKAS 5 (5.6)**

# CERTIFICATE OF CALIBRATION

Certificate Number: 3077

UKAS Accredited Calibration Laboratory No. 0236

PAGE 2 OF 2 PAGES

Applied Value	Equivalent Value	Indicated Value
100.008 ms	599.52 RPM	599.5 RPM
60.002 ms	999.97 RPM	1000 RPM
23.990 ms	2501.0 RPM	2501 RPM
12.000 4 ms	4999.8 RPM	5000 RPM
7.999 92 ms	7500.1 RPM	7500 RPM
6.000 06 ms	9999.9 RPM	10 000 RPM
4.000 12 ms	14 999.6 RPM	14 999 RPM
3.000 08 ms	19 999.5 RPM	19 999 RPM
2.399 90 ms	25 001.0 RPM	25 001 RPM
2.000 11 ms	29 998.4 RPM	29 998 RPM

The measurement uncertainties were:

Time  $\pm 0.1 \text{ RPM} + 1 \text{ LSD}$

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.