CERTIFICATE OF CALIBRATION

ISSUED BY: **M K I S** CALIBRATION COMPANY

DATE OF ISSUE: 25 September 2017

CERTIFICATE NUMBER: 3011

UKAS CALIBRATION

0236

STANDARDS LABORATORY

MKIS

Calibration Company

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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Standard
Type:	AT-6
Serial Number:	140422874
Order Number:	NS21327
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	12 September 2017
Date Calibrated:	25 September 2017

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 and indicated values only with no account being taken of the instruments ability to maintain its calibration.

Remarks: No adjustments were made.

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UKAS Accredited Calibration Laboratory No. 0236

Certificate Number: 3011

Applied Value	Equivalent Value	Indicated Value
100.010 ms	599.94 RPM	600.0 RPM
59.996 ms	1000.06 RPM	1000 RPM
24.008 ms	2499.2 RPM	2499 RPM
11.998 ms	5000.8 RPM	5001 RPM
8.0004 ms	7499.6 RPM	7500 RPM
5.999 60 ms	10 000.7 RPM	10 001 RPM
4.000 10 ms	14 999.6 RPM	15 000 RPM
3.000 04 ms	19 999.7 RPM	20 000 RPM
2.399 94 ms	25 000.6 RPM	25 001 RPM
2.000 06 ms	29 999.1 RPM	29 999 RPM

The measurement uncertainties were:

Time ± 0.1 RPM + 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.