

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 22 June 2015

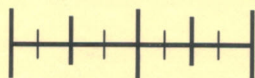
CERTIFICATE NUMBER: 2835



0236

STANDARDS LABORATORY

MKIS



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Approved
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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Uni-T
Type:	UT 372
Serial Number:	814071514
Order Number:	20137
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	17 June 2015
Date Calibrated:	22 June 2015

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 $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 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 were made.

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UKAS Accredited Calibration Laboratory No. 0236

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Applied Value	Equivalent Value	Indicated Value
100.003 ms	599.982 RPM	599.98 RPM
59.996 0 ms	1000.07 RPM	1000.1 RPM
29.992 2 ms	2000.53 RPM	2000.5 RPM
20.000 5 ms	2999.92 RPM	2999.9 RPM
10.001 2 ms	5999.28 RPM	5999.3 RPM
5.999 80 ms	10 000.3 RPM	10 000 RPM
3.000 12 ms	19 999.2 RPM	19 999 RPM
2.000 08 ms	29 998.8 RPM	29 999 RPM

The measurement uncertainties were:

RPM ± 0.05 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.