

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 27 August 2015

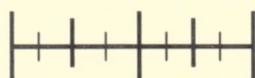
CERTIFICATE NUMBER: 2847



0236

STANDARDS LABORATORY

M K I S



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Approved
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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Uni-T
Type:	UT 372
Serial Number:	814071816
Order Number:	20226
Customer:	D J B Labcare
Location:	Newport Pagnell
Date Received:	21 August 2015
Date Calibrated:	26 August 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
99.999 ms	600.006 RPM	600.01 RPM
60.000 2 ms	999.99 RPM	999.98 RPM
30.003 2 ms	1999.78 RPM	1999.8 RPM
19.999 9 ms	3000.01 RPM	3000.0 RPM
9.999 7 ms	6000.18 RPM	6000.2 RPM
6.000 08 ms	9999.86 RPM	9999.8 RPM
3.000 08 ms	19 999.4 RPM	20 000 RPM
2.000 01 ms	29 999.8 RPM	30 000 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.