

CERTIFICATE OF CALIBRATION

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

DATE OF ISSUE: 22 June 2015

CERTIFICATE NUMBER: 2836



0236

STANDARDS LABORATORY



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Approved
Signatories

R Younger
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Signature

Equipment Description:	Optical Tachometer
Manufacturer:	Uni-T
Type:	UT 372
Serial Number:	814071811
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

Certificate Number: 2836

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Applied Value	Equivalent Value	Indicated Value
100.005 ms	599.97 RPM	599.97 RPM
60.000 5 ms	999.99 RPM	1000.0 RPM
29.998 2 ms	2000.12 RPM	2000.1 RPM
20.000 8 ms	2999.88 RPM	2999.9 RPM
10.000 8 ms	5999.52 RPM	5999.5 RPM
6.000 10 ms	9 999.83 RPM	9 999.8 RPM
3.000 07 ms	19 999.5 RPM	20 000 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.