

CERTIFICATE OF CALIBRATION

ISSUED BY: **MKIS** CALIBRATION COMPANY

DATE OF ISSUE: 05 April 2007

CERTIFICATE NUMBER: 1926



0236

STANDARDS LABORATORY

MKIS



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Approved
Signatories

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Signature

Equipment Description:	Stroboscope
Manufacturer:	RS
Type:	Stroboscope
Serial Number:	C88924
Order Number:	15742
Customer:	DJB Labcare Limited
Location:	Newport Pagnell
Date Received:	04 April 2007
Date Calibrated:	05 April 2007

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 $50\% \pm 10\%$ respectively.

The uncertainties reported refer to the applied 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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Range	Setting	Measured Time	Equivalent Value
Lo	200.5 RPM	299.25 ms	200.49 RPM
	400.3 RPM	149.80 ms	400.53 RPM
	600.8 RPM	99.880 ms	600.72 RPM
	800.4 RPM	74.962 ms	800.40 RPM
	1001 RPM	59.932 ms	1001.13 RPM
Hi	1001 RPM	59.922 ms	1001.30 RPM
	2002 RPM	29.976 ms	2001.60 RPM
	3992 RPM	15.035 ms	3990.68 RPM
	5995 RPM	10.007 ms	5995.80 RPM
	6008 RPM	9.986 2 ms	6008.28 RPM
	7992 RPM	7.507 5 ms	7992.01 RPM
	9986 RPM	6.008 1 ms	9986.51 RPM

The measurement uncertainties were:

$\pm 0.01\% + 1 \text{ L.S.D.}$ (of setting)

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.