



Calibration Company

Milton Keynes Instrumentation Services
10 Potters Lane
Kiln Farm
Milton Keynes
Bucks
MK11 3HE

Tel: 01908 568250
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CERTIFICATE OF CALIBRATION

CERTIFICATE NO: 34758

DATE OF ISSUE: 28.10.08

| | | | |
|-------------------------|-----------------------------|-----------------------------|----------|
| Customer: | DJB Labcare Limited | Order Number: | 16545 |
| Location: | Milton Keynes | Serial Number: | 06019419 |
| Instrument Type: | Standard ST6234B Tachometer | Adjustment Required: | No |

All measurements were made using equipment whose values are referenced directly or by approved ratiometric procedures to laboratory standards whose values are traceable to National Standards.

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 calibration was carried out in accordance with the general requirements of BS EN ISO/IEC 17025: 2005.

This is to certify that the above listed instrument meets or exceeds as defined by our established calibration procedures, the published manufacturers specification.

The uncertainties refer to the applied and measured values only with no account taken of the instrument's ability to maintain its calibration.

The uncertainties did not exceed:

Frequency $\pm 0.1 \text{ PPM} + 1 \text{ L.S.D.}$

The calibration procedures used was MKIP 233.

The frequency was derived from the Rugby 60 kHz transmission.

Signed:

Uncertainties are for a confidence probability of not less than 95%.



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TEST RESULTS

Certificate No.: 34758 **Customer :** DJB Labcare Limited
Date of Issue: 28.10.08 **Instrument Type:** Standard ST6234B Optical Tachometer
Serial Number: 06019419

| Applied Time | Equivalent Value | Indicated Value |
|---------------------|-------------------------|------------------------|
| 120.06 ms | 499.98 RPM | 500.0 RPM |
| 59.997 ms | 1000.05 RPM | 1 000 RPM |
| 30.005 ms | 1 999.7 RPM | 1 999 RPM |
| 20.007 ms | 2 998.9 RPM | 2 999 RPM |
| 15.007 ms | 3 998.1 RPM | 3 998 RPM |
| 11.998 ms | 5 000.8 RPM | 5 001 RPM |
| 10 000 ms | 6 000.0 RPM | 6 000 RPM |
| 8.573 8 ms | 6 998.1 RPM | 6 998 RPM |
| 7.500 3 ms | 7.999.5 RPM | 7 999 RPM |
| 6.000 3 ms | 9 999.5 RPM | 9 999 RPM |
| 3.000 4 ms | 19 997.3 RPM | 19 997 RPM |
| 1.5002 ms | 39 994.6 RPM | 39 994 RPM |
| 1.000 07 ms | 59 995.8 RPM | 59 995 RPM |
| 749.913 us | 819 999.2 RPM | 80 009 RPM |
| 606.022 us | 99 006.3 RPM | 99 005 RPM |