CERTIFICATE OF CALIBRATION

ISSUED BY: **CALIBRATION MAINTENANCE & REPAIR LTD**

DATE OF ISSUE: 5 November 2026 CERTIFICATE NUMBER: **1210818**

BS EN ISO 9001:2015 APPROVED BY **LRQA**

10789612

Unit 5 Octavian Way
Team Valley Trading Estate
Gateshead
NE11 0HZ

Tel: +44 (0)191 4875951

Approved Signatory

Electronically Authorised Document

- ☐ M A FROST
- ☐ L NORWOOD
- ☐ R J WADE
- ☒ R A OSBORNE
- ☐ M YEATES
- ☐ M FOY

Customer	**DJB LABCARE LTD**
Order No	**NS24735**
Equipment Description	**TACHOMETER OPTICAL**
Manufacturer	**STANDARD**
Model	**AT-6**
Serial No	**200552134**
Ident No	**UNKNOWN**
Calibrated By	**Malcolm Foy**
Date Of Calibration	**5 NOVEMBER 2026**

INSTRUMENT CONDITION

Adjustments Made	**NO**
Repairs Made	**NO**

ENVIRONMENT

The instrument was placed in the laboratory environment for a minimum period of 4 hours and was operated prior to calibration.

Measurements were made in ambient conditions of 18 to 23 ºC and 45 %RH ± 15 %RH.

PROCEDURE

Measurements were performed in accordance with the in house laboratory procedure 1053
All equipment used has been calibrated/verified against measurement standards or reference equipment traceable to International or National Measurement Standards as specified in our control procedure WI64
The results attached to this certificate refer to measurements made at the time of test and not to the instrument's ability to maintain calibration.

The attached results are a true record of the levels required to return the instrument to the original stated manufacturer's specification and accuracy where known.

CERTIFICATE OF CALIBRATION

ISSUED BY: **CALIBRATION MAINTENANCE & REPAIR LTD**

BS EN ISO 9001:2015 APPROVAL CERTIFICATE No. 10551409

CERTIFICATE NUMBER
1210818

Calibration Equipment Used:

Cert Number	Ident Number	Model	Serial Number	Test Equipment Calibration Due
E20633	475	A002206.G1	13572091	15 Sep 2029
1208858IH	143	33220A	MY44025316	30 Sep 2027

Notes:

Referenced Standards Conforms to Manufacturer's Specification

Measurement Uncertainties

The expanded uncertainty quoted refers to the measured values only, with no account being taken of the instruments ability to maintain its calibration. The expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor *k* = 2, providing a level of confidence of approximately 95%.
These uncertainties are only applicable if no uncertainties are shown on the result sheet.

PARAMETER	RANGE	EXPANDED UNCERTAINTY
d.c. Resistance	0.01Ω - 400MΩ	± 409ppm
	400MΩ - 1TΩ	± 1.0%
d.c. Voltage	0V – 1kV	± 79ppm
d.c. Voltage	1.01kV-15kV	± 2.2%
d.c. Current	0mA – 20A	± 437ppm
a.c. Voltage	0mV – 1.05kV	± 1.2%
a.c. Current	0mA – 20A	± 0.5%
Frequency	0.5Hz – 20GHz	± 0.1ppm
Capacitance	0.5nF – 40mF	± 1.1%
Time	0 - 1 Hour	± 1s
Distortion	10mV - 100V	± 1.4mV
Temperature (Dry Block)	-30ºC - 350ºC	± 1%
Temperature (Simulation)	-270ºC - 1800ºC	± 0.57%
Pressure	10mBar - 35Bar	± 0.04%
Dynamic Pressure	1.38 - 103.5MPa	± 5.0%
Torque	0.1 - 1100Nm	± 1.5%
Weight	2g - 157kg	± 0.03%
Humidity	0% - 90%	± 1.0%
Shock & Impulse Hammers		± 4.0%
Spring Hammers		± 0.015J
Sound	Frequency	± 0.06%
Sound	Level	± 0.16dB
Tachometers	60rpm - 96000rpm	± 0.1%
Anemometers	0m/s to 40m/s	± 2.0%
Vibration Meters	10Hz - 1kHz	± 5.0%
Vibration Calibrators		± 3.0%
Mechanical Measurement	<200mm	± 0.0003mm
	>200mm	± 0.002mm
Inductance		± 0.1%
Power (VA)		± 1.0%
Power (RF)		± 0.5dB
Light Meters	20-2000Lux	±3.5%
Force (Compression)	0.25N - 50kN	±0.25%

This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

CERTIFICATE OF CALIBRATION

ISSUED BY: **CALIBRATION MAINTENANCE & REPAIR LTD**

UKAS ACCREDITED CALIBRATION LABORATORY No. 0654

CERTIFICATE NUMBER

1210818

RESULT SHEET 1053-NC-UKAS-45 : STANDARD AT-6 OPTICAL TACHOMETER

AS FOUND

BATTERY REPLACED: NO

The Revolution Per Minute (RPM) was simulated using a precision Frequency Generator with an attached optical light source.

RPM

Range	Simulated	Indicated	Units	Indicated Deviation	Measurement Uncertainty ±
2 to 99999RPM	600.000	600.0	RPM	0.000	0.064
	1000.00	1000	RPM	0.00	0.58
	2500.00	2500	RPM	0.00	0.58
	5000.00	5000	RPM	0.00	0.58
	7499.95	7500	RPM	0.05	0.58
	9999.80	10000	RPM	0.20	0.58
	14999.41	15000	RPM	0.59	0.58
	19999.09	20000	RPM	0.91	0.58
	24998.64	25000	RPM	1.36	0.58
	29998.33	30000	RPM	1.67	0.58

Manufacturer stated Accuracy: ±(0.05%+1 digit)

-END OF RESULTS-