CERTIFICATE OF CALIBRATION

ISSUED BY: LAMBDA CALIBRATION LTD

DATE OF ISSUE: 3 March 2016 CERTIFICATE No: 387626

UKAS CALIBRATION 0495

Lambda CALIBRATION LTD

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APPROVED SIGNATAORY

A Kelly D Pilkington
D Whalley C Reed R Armitage

Customer:	DJB Labcare Ltd
Address:	20 Howard Way, Interchange Park, Milton Keynes MK16 9QS
Item Number:	12078446 (4046)
Description:	Digital Multimeter
Model/Range:	AT-6
Manufacturer:	Standard
Date of Cal:	3 Mar 2016
Calibrated by:	Jacob Rimmer
Procedure Name:	Standard, Digital Tachometer, AT-6
Rev/Basis:	01:E-1000
Temp/Humidity:	20.0°C ± 2°C <80%rh

The Results on the following pages are: As Found

All Measurements are Traceable to National Standards.

Note 1: The unit under test was calibrated using a multifunction calibrator.
Note 2: Where the reported value lies within the specified tolerances then this will be indicated by the word "PASS", if outside then by the word "FAIL".
Note 3: Values quoted in the "UUT Indicated Value" column are not necessarily quoted to the same resolution as the actual displayed value on the UUT.
Note 4: Any supplied test leads have been checked as part of the Visual/Operational test but have not been used during calibration.

Engineers' Notes:

Standard(s) Used: LMMC-02 / LMMC-04 / LMMC-10 // LMMC-14

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor *k*=2, providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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UKAS ACCREDITED CALIBRATION LABORATORY No: 0495

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Parameter	UUT Range	Applied Value	UUT Reading	Acceptance Limits Low	Acceptance Limits High	Pass/ Fail
Visual/Operational Test						
Result of Operator Evaluation						PASS
Various frequencies were applied from a multi-function calibrator to the tachometer optical calibration box, LSTR-06, the output of which was measured with the UUT. The results were as follows:						
RPM						
		600.0rpm	600.0	599.6	600.4	PASS
		1000rpm	1000	999	1002	PASS
		2500rpm	2500	2498	2502	PASS
		5000rpm	5000	4997	5004	PASS
		7500rpm	7500	7495	7505	PASS
		10000rpm	10000	9994	10006	PASS
		14000rpm	14000	13992	14008	PASS
		18000rpm	18000	17990	18010	PASS
		20000rpm	19999	19989	20011	PASS
		25000rpm	24999	24987	25014	PASS
		30000rpm	30001	29984	30016	PASS
		40000rpm	39998	39979	40021	PASS
		50000rpm	50001	49974	50026	PASS
		60000rpm	60003	59969	60031	PASS
		70000rpm	70000	69964	70036	PASS
		80000rpm	80002	79959	80041	PASS
		90000rpm	90005	89954	90046	PASS

End of Calibration Data

Estimated Uncertainty of Measurement:

Frequency

0.2Hz to 250MHz: +/- (0.29ppm + 2 LSD)