

GCC Lab Conformity Assessment Company

CALIBRATION CERTIFICATE

شركة المختبر الخليجي للتحقق والمطابقة

Certificate # : 202513786

Issue Date : 29-Jul-25

Asset Number : GCS053747

CUSTOMER INFORMATION

Customer Name : Homeland Security Trading Est.
Address : Al Murabaa, Riyadh , K.S.A

UUT INFORMATION

Description : Digital Tachometer
Manufacturer : N/A
Model : DT2236B
Range : N/A

Received Date : 17-Jul-25
Serial Number : S85956
ID Number : N/A
UUT Location : N/A

CALIBRATION INFORMATION

Calibration Date : 21-Jul-25
Due Date : 21-Jul-26
Procedure Used : RPM Meter/ Generator, CP/MIS/05

Result Type : As Found
Amb.Temperature : 23 ± 5°C
Relative Humidity : 20 to 60 %RH
Cal Site : GCA - Riyadh

The Laboratory Quality Management system complies with the requirements of ISO/IEC 17025:2017.

TRACEABILITY INFORMATION

Measurements are traceable to the SI Units (International System of Units) via national or international laboratories. The estimated expanded uncertainty (if specified) of measurement to be associated with the results is calculated at a confidence level of approximately 95% with a coverage factor of $k = 2$.

REMARKS / DEVIATIONS IF ANY

1. The measurement results are given on the attached sheet(s). The page numbers may be numbered separately.
2. This calibration certificate applies only to the item identified and shall not be reproduced except in full without the approval by GCA.
3. The described instrument has been calibrated under the ambient conditions stated above.
4. UUT meets manufacturer's specification.
5. The UUT was received in good condition.
6. Pass/Fail decisions "if any" are based on acceptance limits chosen based on simple acceptance ($w=0$, $AL= TL$).

Standards Used

Asset #	Description	Due Date	Certificate #	Traceability
100300795	Tachometer Calibrator	16-Jun-26	202509205	GCS RD

Asset # of UUT	Authorized By	
 GCS053747	 Eng. Abdullah Saeed	

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Certificate # 202019700

<u>STD SETTING</u>		<u>MEASURED VALUE</u>		<u>ERROR</u>		<u>EXPANDED UNCERTAINTY</u>	
<u>NON-Contact RPM</u>							
100.0	rpm	99.98	rpm	0.0	rpm	0.6	rpm
1,000.0	rpm	1,000.0	rpm	0.0	rpm	0.6	rpm
10,000.0	rpm	10,000	rpm	0.0	rpm	1.4	rpm
50,000.0	rpm	50,001	rpm	1.0	rpm	1.5	rpm
90,000.0	rpm	90,005	rpm	5.0	rpm	1.6	rpm
99,000.0	rpm	99,004	rpm	4.0	rpm	1.8	rpm
<u>Contact RPM</u>							
100.0	rpm	99.99	rpm	0.0	rpm	0.4	rpm
1,000.0	rpm	999.98	rpm	0.0	rpm	0.4	rpm
5,000.0	rpm	5,000	rpm	0.0	rpm	1.4	rpm
10,000.0	rpm	9,999	rpm	-1.0	rpm	1.4	rpm
12,000.0	rpm	11,998	rpm	-2.0	rpm	1.4	rpm

*User must verify the acceptability of UUT for the intended use.

***** End of Results *****