

Certificate of Calibration

Al Takamul Yard, North Rumailah, South IRAQ

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Date of Issue: September 22, 2026

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REQUEST NUMBER	: by mail	APPROVED BY	CHARGE QC
JOB NUMBER	: QC-CAL-26154		
CERTIFICATE NUMBER	: QC-CAL-26154-15		

CUSTOMER DETAILS

Name : **Egyptian Maintenance Company(EMC) IRAQ**
Address : Iraq, Basra, North Rumaila



EQUIPMENT IDENTIFICATION AND SPECIFICATIONS

Description : **Ultrasonic Thickness Gauge**
Manufacturer : Elcometer
Resolution : 0.01mm
Serial Number : **UG01380**
Type : Multiple Echo
Range : 0.63 to 500 mm
Calibration Range : 3.00 to 250 mm
Accuracy : ±1%
Calibrated By : Hussein Alaa
Calibration Date : September 22, 2026
Calibration Due : **September 21, 2027**



ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature : 40.0 ± 2°C Humidity : 25.0 ± 5 % RH Atm. Pressure 1013.2 ± 10 hPa

CALIBRATION METHOD

This calibration was carried out in compliance with ISO/IEC 17025, 2017& ISO 9001, 2015 & EN12668-1 GP2:2010

TRACEABILITY

The measurements made by Quality Control Labs, realize the physical units of measurements (SI), through its state of the art calibration standards that are controlled and maintained by QC.

REFERENCE EQUIPMENT USED :

DESCRIPTION	SERIAL NO.	CERTIFICATE NO.	CALIBRATION DATE	DUE DATE
Gauge Block Set	1404358	363465	3-Nov-25	2-Nov-26

CALIBRATION TEST RESULTS

Probe Type: 5 MHz Probe S/N: 602A9 Velocity of Sound: 5920 m/s

mm Unit Under Calibration (M)	mm Reference Standard Value (M)	mm Deviation (M-A)	Uncertainty mm ±
3.00	3.00	0.00	0.10
50.00	50.00	0.00	0.10
100.02	100.00	0.02	0.10
150.02	150.00	0.02	0.10
200.05	200.00	0.05	0.10
250.05	250.00	0.05	0.10

The reported 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 international practice.

DEVIATION FROM STANDARD METHOD :

None

REMARK (S) :

- 1 No adjustments were made prior to calibration.
- 2 Overload test was not performed.
- 3 No accessories were fitted.
- 4 Values were rounded in computation.



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