

CALIBRATION CERTIFICATE

Certificate No.:		QC240919-35		Date of Calibration:		19-09-2024	
Customer Name:		Aberdeen Technical Services Basra Iraq		Due Date of Calibration:		18-01-2025	
Instrument under Calibration:		Digitronic Depth Gauge		Maximum Range		0 to 300 mm	
Calibrated Range		0 to 300 mm		Readability		0.01 mm	
Model No	129-132	Serial No.:	809377	Identify/No	ATS.1.DG 001B	Manufacturer:	Mitutoyo
				QC Job Number:		QC/JN/24/00307	
Calibration Method:	Based on standard ASME B89 & API 5A5, The reported uncertainty is the expanded uncertainty with k=2 according to the ISO/IEC "Guide to the expansion of uncertainty in measurement" providing a level of confidence of approximately 95%.						

ENVIRONMENTAL CONDITIONS DURING TEST

Ambient Temperature	21.2 °C	Humidity	26.4 % RH
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Equipment used for calibration

DESCRIPTION	MODEL/SERIAL NO.	SOURCE OF TRACEABILITY
Granite Surface Plate- with Stand Grade : 1	Code : 517-911-1	Mitutoyo, Japan
Gauge Block Set- Grade 0	0651515012/87316	PTB Germany
Caliper Checker up to 1500 mm	Code : 515-556-2/14002536	NPL England

ZERO READING


Before Adjustment (mm)	After Adjustment (mm)	Maximum Permissible Error (mm)
0.00	0.000	± 0.01

CALIBRATION RESULTS

Reference Standard value (mm)	DEVICE READING				MEASUREMENT OF UNCERTAINTY
	Test 1	Test 2	Test 3	Average	
Inner Diameter					±0.01 mm
50.000	50.01	50.01	50.01	50.01	
100.000	100.01	100.01	100.01	100.01	
200.000	200.01	200.01	200.01	200.00	
250.000	250.01	250.01	250.01	250.00	
300.000	300.01	300.01	300.01	300.00	

The Instrument Specification

- This calibration was carried out in compliance with the ISO/IEC 17025.2017
- The standard/standards used in this calibration is/are traced to the SI unit of pressure through traceability to primary standards maintained in the National Institute of Standards (NIS)
- This calibration certificate refers only to the particular item submitted for calibration
- This certificate shall not be reproduced, unless written permission has been obtained from the lab.
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- The lab is responsible for above results in the time of calibration only.
- This certificate is valid only with signature and stamp.**

Calibrated By:	Hussein Alaa	Reviewed By:	Asjad Rafiq
Signature:		Signature:	