



Al Takamul Company For Engineering Services
Quality Control – Iraq

CALIBRATION CERTIFICATE

Certificate No.: QC240101-01		Date of Calibration: 01-01-2024	
Customer Name: EMC Company IRAQ		Due Date of Calibration: 31-12-2024	
Instrument under Calibration: Air Compressor		Range: 0 – 10 bar	
Serial No. : P425WIR/2007/B	Instrument Location: North Rumaila	Calibrated Range: 0 – 10 bar	
Model No. : XP 425	Resolution: N/A	Manufacturer: INGERSOLL DOOSAN	
		QC Job Number: QC/JN/23/001	
Calibration Method:	Based on <i>DKD R-6-1, 2003</i> ; The reported uncertainty is the expanded uncertainty with k=2 according to the <i>ISO/IEC "Guide to the expansion of uncertainty in measurement"</i> providing a level of confidence of approximately 95%		

Equipment used for calibration: Digital Pressure Gauge

Serial No.	Manufacturer	Model	Traceability	Due Date
468802	AMETEK	XP2i	LT-221215-09	14, Dec, 2024

Environmental Conditions during calibration:

45.3 % RH	Calibration Temperatures Mean: 22.0°C
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RESULTS

The instrument under calibration was calibrated up to full scale according to the used standard calibration method. The following gives the under test readings and the corresponding reference mean readings:

Unit Under Calibration (bar)	Reference Instrument Reading (bar) Avg.	Reference Value (bar)	
		Pressure Rising	Pressure Falling
0	0.00	0	0.00
2	2.30	2	2.30
4	4.40	4	4.40
8	8.50	8	8.50
10	10.50	10	10.50

The Instrument Specification

- This calibration was carried out in compliance with the *DKD R-6-1, 2003 & ISO/IEC 17025*.
- 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
- Customer should ensure comparing between instrument data sheet and the above results before assembly.
- This certificate is valid only with signature and stamp.

Calibrated By: Mahdi Hajeer

Signature:



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