



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/12/2450
Dated of Test: 15-12-2022

Dated: 14-12-2022

To,
M/S Amjad Engineering Services
Lahore

Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/12/2450) (Page -1/2)

Reference to your Letter No. Nil, Dated: 14/12/2022 on the subject cited above. One Pressure Gauge No. AES-313 as received by us has been calibrated. The results are tabulated as under:

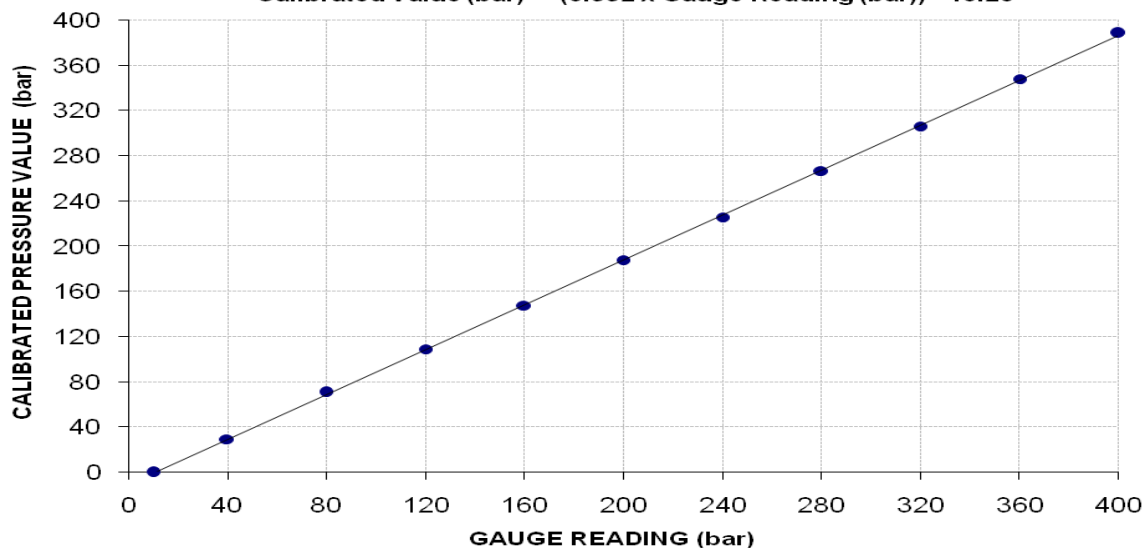
Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 400 (bar)

Pressure Gauge Reading (bar)	10	40	80	120	160	200	240	280	320	360	400
Calibrated Load (kg)	0	6000	14300	22000	29800	38000	45600	53900	61800	70300	78500
Calibrated Pressure (bar)	0	30	71	109	148	188	226	267	306	348	389

The Ram Area use for Calibration = 198 cm²

Calibration Curve for Pressure Gauge No. AES-313

Calibrated Value (bar) = (0.992 x Gauge Reading (bar)) - 10.23



I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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Reference to your Letter No. Nil, Dated: 14/12/2022 on the subject cited above. One Pressure Gauge No. AES-314 as received by us has been calibrated. The results are tabulated as under:

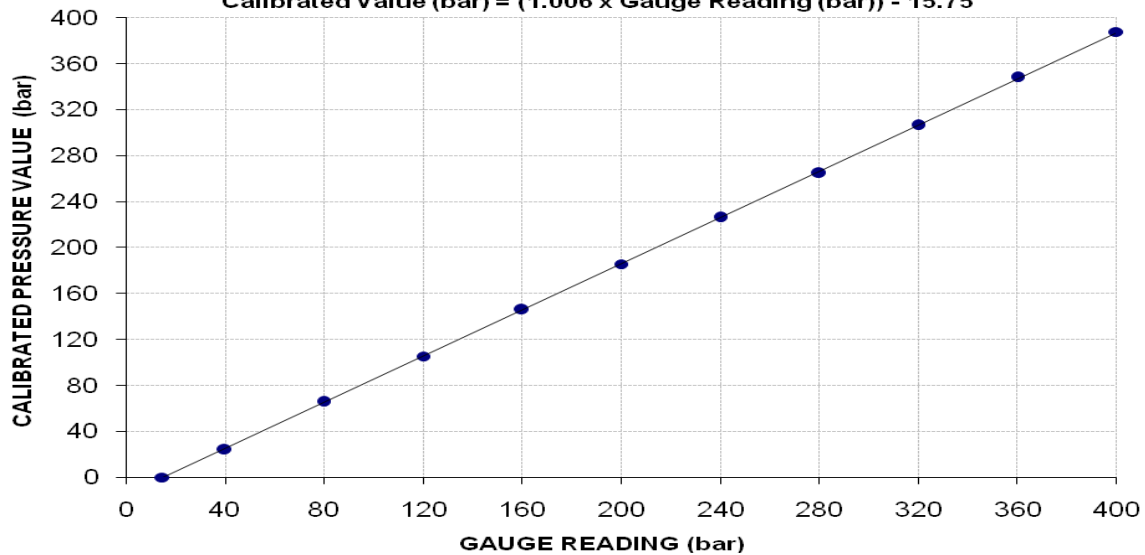
Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 400 (bar)

Pressure Gauge Reading (bar)	15	40	80	120	160	200	240	280	320	360	400
Calibrated Load (kg)	0	4800	13200	21200	29400	37400	45600	53400	61800	70200	78200
Calibrated Pressure (bar)	0	24	65	105	146	185	226	264	306	348	387

The Ram Area use for Calibration = 198 cm²

Calibration Curve for Pressure Gauge No. AES-314

Calibrated Value (bar) = (1.006 x Gauge Reading (bar)) - 15.75



I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Asst, Manager (QA/QC)
 Engineering Kinetics (Pvt) Ltd.
 PAEC - Pakistan Atomic Energy Commission (D.G Khan)

Reference # CED/TFL **2452** (Dr. M Kashif)
 Reference of the request letter # Nil

Dated: 15-12-2022
 Dated: 07-12-2022

Tension Test Report (Page -1/1)

Date of Test 15-12-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.382	10	9.61	0.12	0.112	3700	5400	67975	72560	99207	105900	1.20	15.0	
2	0.382	10	9.61	0.12	0.112	3800	5400	69812	74580	99207	106000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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