

Requested By

PT. Sentral Tehnologi Managemen
Cikarang Square Blok B No. 11 Jl. Raya Cibarusah Cikarang
Selatan 17530

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Job Order No : 220434

Ambient tem. : $(22 \pm 3)^{\circ}\text{C}$ Relative Humidity : $(55 \pm 10)\% \text{ rh}$ **Descriptions**

Instrument : Digital Pressure Gauge
Brand : Additel
Model : ADT681
Serial No. : 211H152C0104
Calibration Range : -1 bar to 20 bar
Medium Used : Air
Date Calibrated : 27 May 2022

Method of Calibration

The describe instrument has been calibrated at PT. Certus Metrology Indonesia laboratory under the ambient conditions stated above according to in-house calibration procedure SPCP-002. The results of calibration reported traceable to SI units of measurement through recognized National/International Metrology Institute and/or accredited calibration laboratory.

Reference Standard(s)

1. Automatic Handheld pressure calibrator (20 bar) Serial No: 81017090006, 00516650006

Results of Calibration

The results of the calibration are shown in the table next page(s). The expanded uncertainty of measurement associated with the indicated estimated at approximately 95% confidence level with a coverage factor of $k=2$. The user should determine the suitability of the instrument for its intended used.

Calibrated By


Tjhang Hendri
Approval Signatory

Results of Calibration
Negative Pressure

Actual Pressure Bar	Unit Under Test (UUT) Indicated Pressure / Bar				Uncertainty Bar
	Increasing	Correction	Decreasing	Correction	
0.000	0.000	0.000	0.000	0.000	0.002
-0.100	-0.100	0.000	-0.100	0.000	
-0.200	-0.200	0.000	-0.200	0.000	
-0.400	-0.400	0.000	-0.400	0.000	
-0.600	-0.600	0.000	-0.600	0.000	
-0.800	-0.799	-0.001	-0.800	0.000	
-1.000	-0.999	-0.001	-0.999	-0.001	

The accuracy of the UUT was found to be within ± 0.005 % of the maximum scale value 20 Bar

Positive Pressure

Actual Pressure Bar	Unit Under Test (UUT) Indicated Pressure / Bar				Uncertainty Bar
	Increasing	Correction	Decreasing	Correction	
0.000	0.000	0.000	0.000	0.000	0.003
2.000	1.999	0.001	1.999	0.001	
4.000	3.998	0.002	3.998	0.002	
8.000	7.996	0.004	7.996	0.004	
12.000	11.994	0.006	11.994	0.006	
16.000	15.992	0.008	15.992	0.008	
20.000	19.992	0.008	19.992	0.008	

The accuracy of the UUT was found to be within ± 0.040 % of the maximum scale value 20 Bar

"The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Komite Akreditasi Nasional – LK-160-IDN".

Calibrated By



Tjhang Hendri

Approval Signatory



PT. Certus Metrology Indonesia

Komplek ITC Duta Mas Fatmawati Blok D2 no. 8, Jl. RS Fatmawati No. 39, Jakarta Selatan - Indonesia
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