Additel Pressure Gauge Selection Guide

Metrology Made Simple

Feature \ Series	ADT681A	ADT680A	ADT680P	ADT601Ex	ADT685	ADT686	ADT673
Gauge Pressure	•	•	•	•	•	•	•
Compound Pressure	•	•	•		•	•	•
Absolute Pressure	•				•	•	•
Differential Pressure	•				•	•	•
Range	-15 to 60K psi (-1 to 4200 bar)	-15 to 60K psi (-1 to 4200 bar)	-15 to 60K psi (-1 to 4200 bar)	-15 to 15K psi (-1 to 1000 bar)	-15 to 60K psi (-1 to 4200 bar)	-15 to 60K psi (-1 to 4200 bar)	-15 to 60K psi (-1 to 4200 bar)
Available Accuracies (range dependent)	0.02%, 0.05%, 0.1%, 0.2%FS & 0.1%RD	0.1%, 0.2%FS	0.02%, 0.05%, 0.1%, 0.2%FS & 0.1%RD	0.5%FS	0.02%, 0.05%, 0.1%, 0.2%FS & 0.1%RD	0.02%, 0.05%, 0.1%, 0.2%FS & 0.1%RD	0.02%, 0.05%, 0.1%, 0.2%FS & 0.1%RD
Digital Display	•	•	•	•	•	•	•
Analog Display (Fan-Shaped Indication)	•				•		
Fully Temperature Compensation from -10°C to 50°C	•	•	•	-20 to 50°C	•	•	•
Resolution	5, 6 digits	4, 5 digits	4, 5 digits	4 digits	5 1/2 digits	4, 5, 6 digits	4, 5, 6 digits
Selectable Pressure Units	12 & 1 customized units	12 & 1 customized units	12 & 1 customized units	12	11 & 3 customized units	11 & 5 customizable units	11& 5 customizable units
Backlight	•	•	•	•	•	•	•
Over Pressure Indication	•	•	•	•	•	•	•
IP67	•	•	•	•	•	•	•
Intrinsically Safe	ADT681AEx	ADT680AEx	ADT680PEx	•	ADT685Ex		
Communication	BLE, USB, RS232	BLE, RS232	BLE, RS232	BLE	BLE, USB, RS232, RS485(optional)	BLE, USB, RS232, RS485, WIFI(optional)	BLE, USB, RS232, RS485, WIFI(optional)
Data Logging	•	•	•		•	•	•
Min/Max	•	•	•	•	•	•	•
Built-in Leak Test	•				•	•	•
HART							•
Measure mA and V							•
24V Loop Power							•
Switch Test							•
NIST-Traceable Certificate of Calibration	•	•	•	•	•	•	•
Power	3 AA Aalkaline batteries (power supply through USB is optional, adapter not for Ex)	3 AA Aalkaline batteries (External power supply through RS232 cable, adapter not for Ex)	3 AA Aalkaline batteries (External power supply through RS232 cable, adapter not for Ex)	3 AA batteries	3 AA batteries & 120/220V adapter is optional(adapter not for Ex)	Rechargeable battery (120/220V adapter is optional)	Rechargeable battery (120/220V adapter is optional)

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Series / Pressure	Pressure Range psi	Pressure Range bar	Media	ADT681A	ADT680A	ADT680P	ADT601Ex	ADT685	ADT686	ADT673
Gauge										
V15[1]	-15 to 0	-1 to 0	G	•				•	•	•
V15	-15 to 0	-1 to 0	G, L	•	•	•	•			
GP2	0 to 2	0 to 0.16	G	•						
GP5	0 to 5	0 to 0.35	G					•	•	•
GP5	0 to 5	0 to 0.35	G, L	•	•	•				
GP10	0 to 10	0 to 0.7	G, L	•	•	•		•	•	•
GP15	0 to 15	0 to 1	G, L	•	•	•	•	•	•	•
GP30	0 to 30	0 to 2	G, L	•	•	•	•	•	•	•
GP50	0 to 50	0 to 3.5	G, L	•	•	•	•	•	•	•
GP100	0 to 100	0 to 7	G, L	•	•	•	•	•	•	•
GP150	0 to 150	0 to 10	G, L	•	•	•	•	•	•	•
GP300	0 to 300	0 to 20	G, L	•	•	•	•	•	•	•
GP500	0 to 500	0 to 35	G, L	•	•	•	•	•	•	•
GP600	0 to 600	0 to 40	G, L	•	•	•		•	•	•
GP1K	0 to 1K	0 to 70	G, L	•	•	•	•	•	•	•
GP1.5K	0 to 1.5K	0 to 100	G, L	•	•	•	•	•	•	•
GP2K	0 to 2K	0 to 140	G, L	•	•	•		•	•	•
GP3K	0 to 3K	0 to 200	G, L	•	•	•	•	•	•	•
GP5K	0 to 5K	0 to 350	G, L	•	•	•	•	•	•	•
GP10K	0 to 10K	0 to 700	G, L	•	•	•	•	•	•	•
GP15K	0 to 15K	0 to 1K	G, L	•	•	•	•	•	•	•
GP20K	0 to 20K	0 to 1.4K	G, L	•	•	•		•	•	•
GP25K	0 to 25K	0 to 1.6K	G, L	•	•	•		•	•	•
GP30K	0 to 30K	0 to 2K	G, L	•	•	•		•	•	•
GP36K	0 to 36K	0 to 2.5K	G, L	•	•	•		•	•	•
GP40K	0 to 40K	0 to 2.8K	G, L	•	•	•		•	•	•
GP50K	0 to 50K	0 to 3.5K	G, L	•	•	•		•	•	•
GP60K	0 to 60K	0 to 4.2K	G, L	•	•	•		•	•	•

[1] 0.02% FS for gas media only, 0.05% FS for gas and liquid media.

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Series / Pressure	Pressure Range		Media	ADT681A	ADT680A	ADT680P	ADT601Ex	ADT685	ADT686	ADT673
	inH_2O	mbar								
Compound										
CP2	±2	±0.16	G	•				•	•	•
CP5	±5	±0.35	G, L	•	•	•		•	•	•
CP10	±10	±0.7	G, L	•	•	•		•	•	•
CP15	±15	±1.0	G, L	•	•	•		•	•	•
CP30	-15 to 30	-1 to 2.0	G, L	•	•	•		•	•	•
CP50	-15 to 50	-1 to 3.5	G, L	•	•	•				
CP100	-15 to100	-1 to 7.0	G, L	•	•	•		•	•	•
CP150	-15 to150	-1 to 10	G, L	•	•	•		•	•	•
CP300	-15 to 300	-1 to 20	G, L	•	•	•		•	•	•
CP500	-15 to 500	-1 to 35	G, L	•	•	•				
CP600	-15 to 600	-1 to 40	G, L	•	•	•				
CP1K	-15 to1000	-1 to 70	G, L	•	•	•				
Differential										
DP1	±1	±2.5	G	•				•	•	•
DP2	±2	±5	G	•				•	•	•
DP5	±5	±10	G	•				•	•	•
DP10	±10	±25	G	•				•	•	•
DP20	±20	±50	G	•				•	•	•
DP30	±30	±75	G	•				•	•	•
DP50	±50	±160	G	•				•	•	•
DP150	±150	±350	G	•				•	•	•
DP300	±300	±700	G	•				•	•	•

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