

ADT 680A Digital Pressure Gauges



ADT680A & ADT680AEX with data logging and Bluetooth

- Pressure ranges up to 60,000 psi (4,200 bar)
- 0.1% or 0.2%FS accuracy
- 800,000 data logging records
- Intrinsically safe (ADT680AEx)
- IP67,Stainless steel shell, fully welded sensor
- Battery life up to 4000 hours
- Large, easy-to-read display
- Backlit display
- Bluetooth and RS232 capable
- Communication with Additel's Link Mobile App



Overview

Additel's 680A Series Digital Pressure Gauges are designed with a wide range of pressure measurement and calibration applications in mind. With features such as datalogging and Bluetooth technology included, you will find these gauges to be high in value at a reasonable cost. These durable IP67 rated gauges have been built with outdoor elements in mind and are the perfect fit for field work when accuracy and dependability are a must. If you are working in an intrinsically sensitive area, look to our Ex-versions of this amazing digital pressure gauge to provide that extra level of safety in sensitive areas.

Durability

The model ADT680A has been built with the finest materials to ensure that it can hold up to the elements. Everything from the stainless stell outer shell to the innermost sensor design have been optimized to ensure that this gauge will keep you informed with on-demand and logged pressure readings for years to come. The IP67 rating ensures that dusty and wet environments won't hamper these gauges ability to perform while the shock and vibration resistance (5g vibration 10g shock) coupled with the corrosion resistant wetted parts help to protect the inner workings of these durable Additel gauges.

Easy-to-use

Technicians often have tight schedules and heavy workloads, which leaves little extra time for correcting mistakes or doing rework. The ADT680A prevents these errors with button functions that are smooth and easy to use. The display is clear in bright sunlight, and the backlight can be turned on with a one-button press for use in low light situations. The pressure value can be displayed in large fonts and can be read from a few meters away, making this gauge the perfect device for nononsense measurement, calibration and verification work.

Easy maintenance

The ADT680A is designed with membrane buttons, making them easy to clean and maintain. Coupled with the extralong battery life of these easy-to-use gauges, you will find that maintenance is minimal and infrequent.







Specifications

Model	ADT 680A	ADT680AEX			
Description	Digital Pressure Gauge	Intrinsically Safe Digital Pressure Gauge			
Intrinsic Safety	CE marked	CE marked			
		EU: II 1G EX ia IIC T4 Ga T4 at -20~50°C			
&		North America: CLASS I, Division 1, Groups A, B, C and D, T4			
European Compliance		C and D, T4 CLASS I, Zone 0, AEx ia IIC T4 Ga			
Compliance		T4 at -20~50°C			
	International: EX ia IIC T4 Ga T4 at -20~50°C				
Accuracy	0.4 % , 0,2 % of full span (For detailed accuracy, please see pressure range table)				
Gauge Types	Gauge pressure and compound pressure				
	Wide viewing angle FSTN segment code LCD, three partition design				
Display	White backlight				
	4 or 5 digit display (switch	able). Numeral display height: 14.5mm (0.57")			
	_ · · · · · · · · · · · · · · · · · · ·	bar, kgf/cm2, %,inH2O@4°C,mmH2O@4°C, inHg@0°C,			
	mmHg@0°C 6 engineering water colum	nns:inH2O(20°C) , inH2O(60°F) , mmH2O(20°C) ,			
Pressure Units	mmH2O(15°C), ftH2O(60	°F) , ftH2O(4°C)			
	1 custom unit: identified by the USER icon. The conversion coefficient can be set via Additel Link mobile app				
	Compensated Temperatur	re: -4°F to 122°F (-20°C to 50°C)			
Environmental	Operating Temperature: -4	1°F to 122°F (-20°C to 50°C)			
Environmental	Storage Temperature: -40°F to 167°F (-40°C to 75°C)				
	Humidity: 5%RH~95%RH, non-condensing				
	≤15,000 psi: 1/4NPT male, 1/2NPT male, 1/4BSP male, 1/2BSP mal e, M20×1.5				
Pressure Port	male >15,000 psi: 1/4HP female or 1/4HP male				
	*1/4HP female: Autoclave F-250-C, 9/16" - 18 UNF-2B				
	*1/4HP male: Autoclave M-250-C, 9/16" - 18 UNF-2A 3 AA alkaline battery (included), it can also be powered externally through the				
_	RS232 cable				
Power	Power auto-off: 120, 90, 60, 45, 30, 15, minute auto-off options				
	The factory default of power auto-off feature is inactive				
	Shell material: 304 SS				
Enclosure	Wetted parts material: 316L SS				
Liiologaic	Dimension: Ø4.13" x 1.83" x 5.84"(105mm x 46.5 mm x 148.5 mm)				
	Weight: 1.27 lbs (0.58 kg)				
	Protection Level: IP67(working media is liquid)				
Compliance	Vibration: 5 g, (20-2000Hz)				
	Shock Resistance: 10 g				
Data Logging (Optional)	Data storage: 800,000 records (time and pressure) or 400,000 records (time, pressure and temperature)				
	Rate: user-selectable from 1 to 99,999 second intervals				
Communication	Bluetooth, RS232 *(Do not use the RS-232 connector in a hazardous areas)				
Calibration	ISO 17025 Accredited Calibration Certificate with data				
Warranty	1 year				
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Note: Do not connect to the RS232 port in hazardous areas, and do not replace batteries in hazardous areas.

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Pressure Range

Gauge Pressu	re ^[1]				
PN	Pressui	re Range	Media ^[2]	Accuracy% FS	Burst Pressure
	(psi)	(bar)	Media · ·	Accuracy /6 1 3	Duist Flessule
V15 ^[3]	-15	-1.0	Gas, Liquid	0.1 0.2	3 x
GP5	5	0.35	Gas, Liquid	0.1 0.2	3 x
GP10	10	0.7	Gas, Liquid	0.1 0.2	3 x
GP15	15	1.0	Gas, Liquid	0.1 0.2	3 x
GP30	30	2.0	Gas, Liquid	0.1 0.2	3 x
GP50	50	3.5	Gas, Liquid	0.1 0.2	3 x
GP100	100	7.0	Gas, Liquid	0.1 0.2	3 x
GP150	150	10	Gas, Liquid	0.1 0.2	3 x
GP300	300	20	Gas, Liquid	0.1 0.2	3 x
GP500	500	35	Gas, Liquid	0.1 0.2	3 x
GP600	600	40	Gas, Liquid	0.1 0.2	3 x
GP1K	1.000	70	Gas, Liquid	0.1 0.2	3 x
GP1.5K	1.500	100	Gas, Liquid	0.1 0.2	3 x
GP2K	2.000	140	Gas, Liquid	0.1 0.2	3 x
GP3K	3.000	200	Gas, Liquid	0.1 0.2	3 x
GP5K	5.000	350	Gas, Liquid	0.1 0.2	3 x
GP10K	10.000	700	Gas, Liquid	0.1 0.2	1,5 x
GP15K	15.000	1.000	Gas, Liquid	0.1 0.2	1,5 x
GP20K	20.000	1.400	Gas, Liquid	0.1 0.2	1,5 x
GP25K	25.000	1.600	Gas, Liquid	0.1 0.2	1,5 x
GP30K	30.000	2.000	Gas, Liquid	0.1 0.2	1,5 x
GP36K	36.000	2.500	Gas, Liquid	0.1 0.2	1,5 x
GP40K	40.000	2.800	Gas, Liquid	0.1 0.2	1.35 x
GP50K	50.000	3.500	Gas, Liquid	0.1 0.2	1.2 x
GP60K	60.000	4.200	Gas, Liquid	0.1 0.2	1.1 x

^[1] Sealed gauge pressure for above 1,000 psi [2] G=Gas, L=Liquid



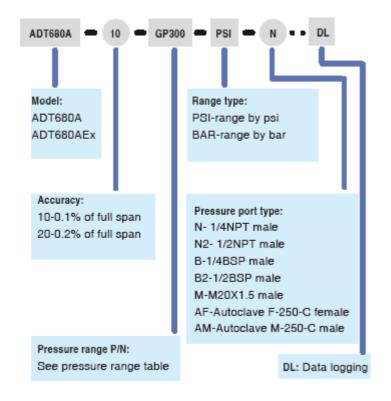
Calibration Experts

Compound Pressure					
PN	Pressure Range		Media ^[1]	Accuracy% FS ^[2]	Burst Pressure
	(psi)	(bar)	Media 13	Accuracy % F3.	Buist Flessule
CP5	±5	±0.35	Gas, Liquid	0.1 0.2	3 x
CP10	±10	±0.7	Gas, Liquid	0.1 0.2	3 x
CP15	±15	±1	Gas, Liquid	0.1 0.2	3 x
CP30	-15 to 30	-1 to 2	Gas, Liquid	0.1 0.2	3 x
CP50	-15 to 50	-1 to 3.5	Gas, Liquid	0.1 0.2	3 x
CP100	-15 to 100	-1 to 7	Gas, Liquid	0.1 0.2	3 x
CP150	-15 to 150	-1 to 10	Gas, Liquid	0.1 0.2	3 x
CP300	-15 to 300	-1 to 20	Gas, Liquid	0.1 0.2	3 x
CP500	-15 to 500	-1 to 35	Gas, Liquid	0.1 0.2	3 x
CP600	-15 to 600	-1 to 40	Gas, Liquid	0.1 0.2	3 x
CP1K	-15 to 1K	-1 to 70	Gas, Liquid	0.1 0.2	3 x

^[1] G=Gas, L=Liquid

Ordering information

Model Number







^[2] FS specification applies to the span of the range



Accessories (included)

Rubber boot	
AA alkaline batter	ries (3 pcs)
ISO 17025 accred	dited calibration certificate

Optional Accessories

Model number	Description
9258	Rubber Boot for 680A gauge (Blue)
9259	Rubber Boot for 680AEx & 601Ex gauge (Red)
9040	Hanging strap with magnet
9530-BASIC	Additel Acal Automated calibration software with asset management, basic version
9530-NET	Additel Acal Automated calibration software with asset management, network version, Includes server installation and 1 user license
9502	Additel Log II data logging software (PC)
9530-PRO	Additel Acal Automated calibration software with asset management, professional version for single PC
9814-X	Power supply kit (including power adapter and RS232 communication line)
9050-Ext	RS 232 (DB9/M) extension cable, 9 feet
9920	Carrying case for one ADT680A or ADT601Ex digital pressure gauge



Calibration Experts

Your Note	