



## Additel 680

### Digital Pressure Gauges

With advanced microprocessor technology and state-of-the-art silicon pressure sensors, the 680 series digital pressure gauges provide an accurate, reliable, and economic solution for a wide range of pressure applications. They are loaded with functionality and remarkably easy to use. To reach the best performance, every silicon pressure sensor in our gauges is specially aged, tested and screened before assembly. With data logging and wireless features, the 680W gauge can store pressure measurement data in the internal memory or display them on PC through wireless communication. The 680 series digital pressure gauges are unmatched in performance and reliability. Best of all, they are very affordable.

Pressure ranges to 36,000 psi (2,500 bar)

- 0.05%FS, 0.1%FS or 0.25% full scale accuracy
- Fully temperature compensated accuracy from 14°F to 122°F (-10°C to 50°C)
- Up to 13 selectable pressure units, 6 customized definition engineering units
- Large, easy to read display with 5-digit resolution
- Backlit display
- Icon-based menu
- Display flash warning when pressure exceeds 120% of FS
- Stainless wetted surface construction
- IP67 (submersible in 1 meter of water)
- Drop-tested from 1 meter
- 2 AA alkaline batteries

- CE RTTE, FCC ID, IC ID Certificates
- NIST traceable calibration with data(included)

**Model**

ADT680: Regular version  
 ADT680W: Data logging and wireless version  
 Pressure Type: Gauge and Compound

**Performance**

Accuracy: 0.05%FS, 0.1%FS or 0.25%FS  
 Update Rate: 10 times/Sec ,3 times /Sec (default),  
 1 time /Sec ,1 time/15 Seconds  
 Operating Temperate: 14°F to 122°F (-10°C to 50°C)  
 Compensated Temperate: 14°F to 122°F (-10°C to 50°C), accuracy Guaranteed  
 Storage Temperature: -4°F to 158°F (-20°C to 70°C)  
 Overload Pressure: 1.2X

**Power Supply**

Battery: 2 x AA alkaline (LR6) batteries  
 Recommend: Duracell MX1500, EnergizerE91,  
 Panasonic LR6, Duracell 15AU  
 Usage Period:  
 10/Sec:1500Hours; 3/Sec: 3,000Hours;  
 1/Sec: 6000Hours; 1/15Sec: 12,000Hours  
 Rated Power: 3.0VDC I<sub>max</sub>=30mA P<sub>max</sub>=90mW

**Material**

Wetted Surface: All wetted surfaces are 316L Stainless Steel with welded design (no O-ring, thread tape, epoxy, or sealant on any part of the sensor assembly)  
 Case: PC+ABS  
 Protective Cover: Silicone Rubber

**Display**

LCD Specification: FSTN-LCD, Visual scope 36x61mm; Full 5 digits, 15.2mm High; 7 segment analog bar graph scaled from 0~100% of FS  
 Backlight: White

**Wireless Communication (ADT680W only)**

Wireless Frequency: 2.4G ISM Bands, 20 meter range  
 Number of wireless Channels : Chanel 1~15  
 Software: Wireless network demo software for free

**Warranty:**

1 year

Gauge Pressure					
P/N	Pressure Range		Media[2]	Accuracy(%FS)	Burst Pressure
	(psi)[1]	(bar)			
V15	-15	-1.0	G	0.05(0.1, 0.25)	3x

GP15	15	1.0	G, L	0.05(0.1, 0.25)	3x
GP30	30	2.0	G, L	0.05(0.1, 0.25)	3x
GP100	100	7.0	G, L	0.05(0.1, 0.25)	3x
GP300	300	20	G, L	0.05(0.1, 0.25)	3x
GP500	500	35	G, L	0.05(0.1, 0.25)	3x
GP1K	1,000	70	G, L	0.05(0.1, 0.25)	3x
GP3K	3,000	200	G, L	0.05(0.1, 0.25)	3x
GP5K	5,000	350	G, L	0.05(0.1, 0.25)	3x
GP10K	10,000	700	G, L	0.05(0.1, 0.25)	2x
GP15K	15,000	1,000	G, L	0.05(0.1, 0.25)	2x
GP25K	25,000	1,600	G, L	0.1(0.25)	2x
GP30K	30,000	2,000	G, L	0.1(0.25)	1.5x
GP36K	36,000	2,500	G, L	0.1(0.25)	1.5x
Compound Pressure					
P/N	Pressure Range		Media[3]	Accuracy(%FS)	Burst Pressure
	(psi)	(bar)			
CP15	±15	±1	G	0.05(0.1, 0.25)	3x
CP30	15 to 30	-1 to 2	G	0.05(0.1, 0.25)	3x