Addited 601Ex

Digital Pressure Gauges



- 0.5% FS accuracy
- Fully temperature compensated accuracy (-20°C to 50°C)
- Bluetooth communication
- Intrinsically safe
- Stainless steel case, fully welded sensor
- IP67 rated
- Battery life up to 9000 hours



Metrology Made Simple













OVERVIEW

The ADT601Ex intrinsically safe digital pressure gauge is designed to improve upon traditional dial pressure gauges by providing a reliable and accurate digital solution for a minimal investment. The included Bluetooth technology allows users to connect directly to mobile phones for remote monitoring. This genuine Additel gauge was designed for the field to be an economical, but accurate and dependable gauge for use in a variety of environments, including intrinsically sensitive areas.

Intrinsically Safe

The ADT601Ex has passed the most stringent ATEX, IECEx intrinsic safety certifications. Each unit complies with a certification level of Ex ia IIC T4 Ga. This highly qualified reference recorder can be widely used in potentially explosive gas environments, such as oil and gas platforms, refineries, chemical and petrochemical plants, pharmaceutical industry, energy and gas processing industry.

Durability

With a durable stainless steel outer shell, welded silicon piezoresistive sensor, and drop test rated to 1 meter, these gauges are up to the task in the most demanding environments. The dustproof and waterproof rating (IP67), coupled with the shock and vibration resistance (5g vibration 10g shock) offer even more insurance that these gauges are durable. If that wasn't enough, we've also designed them to handle up to 3X overpressure to guard against over pressure damage.

Easy-to-use

Field operators often have tight schedules and high task loads, and there is no extra time for making mistakes. This means that the digital pressure gauge must be simple and easy to use. The ADT601Ex series gauges are carefully designed with button functions which can be operated smoothly and quickly. The display is clear in bright sunlight, and the backlight can be turned on with one touch for darker ambient conditions. The pressure value can be displayed in large fonts and the pressure can be read from a few meters away. The pressure change trend bar is simple and clear.

Easy maintenance

The ADT601Ex is designed with membrane buttons, which can simply be wiped clean for guick and simple cleaning. Coupled with the extra-long battery life of these easy-to-use gauges, you will find that maintenance is minimal and infrequent.



Email: sales@additel.com



Rev # 20230922

Phone: 714-998-6899

Addite

SPECIFICATIONS

Metrology Made Simple

Model	ADT601Ex				
Description	Intrinsically Safe Digital Pressure Gauge				
	CE marked				
	⟨€x⟩ EU: II 1G EX ia IIC T4 Ga T4 at -20~50°C				
Intrinsic Safety & European Compliance	North America: CLASS I, Division 1, Groups A, B, C and D, T4 CLASS I, Zone 0, AEx ia IIC T4 Ga T4 at -20~50°C				
	International: EX ia IIC T4 Ga T4 at -20~50°C				
Accuracy	0.5% FS (For detailed accuracy, please see pressure range table)				
Gauge Types	Gauge pressure				
Operational buttons	4 membrane buttons with locking feature				
	Wide viewing angle FSTN segment code LCD				
Display	White backlight, backlight time: ON, 15 seconds, 30 seconds, 45 seconds, 60 seconds, the default is 15 seconds				
	4 digits display, character height 14.5 mm(0.57"), main display + unit display + horizontal pressure trend				
Pressure Units	12 regular units: Pa, kPa, MPa, psi, mbar, bar, kgf/cm2, %, mmH2O(4°C), mmHg(0°C), lnH2O(4°C), lnHg(0°C)				
	Compensated Temperature: -4°F to 122°F (-20°C to 50°C)				
Environmental	Operating Temperature: -4°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				
Pressure Port	1/4NPT male, 1/2NPT male, 1/4BSP male, 1/2BSP male, M20×1.5 male				
	Battery: 3 AA alkaline batteries				
Power	Battery life: 1. Super stable mode ^[1] : 4000 hours (3 reading/s), 1000 hours (10 reading/s) 2. Low power mode ^[2] : 5000 hours (2 reading/s), 9000 hours (1 reading/s, default), 18000 hours (1 reading/10s) Power auto-off: 120, 90, 60, 45, 30, 15 minute auto-off options or never				
	Case material: 304 SS, Front panel material: anti-static PET, Rubber boot (optional) material: anti-static TPU				
	Wetted parts material: 316L SS				
Enclosure	Dimension: Ø3.62" x 1.69" depth x 5.59" height (Ø92 mm x 43 mm depth x 142 mm height)				
	Weight: 1.2 Lb (0.55 kg)				
	Protection Level: IP67(against 1 meter water immersion for 30 mins)				
Compliance	Vibration: 5 g, Shock Resistance: 10 g				
	1 meter drop test (without rubber boot)				
Communication	Bluetooth (BLE5.3)				
Certification	Certificate of conformity (no data).				
Warranty	1 year				
Note:					

Note:
[1] The pressure sensor has been powered continuously when the gauge is on, to improve the measurement resolution and reduce the impact of ambient humidity.
[2] The pressure sensor will be powered off after each sampling, to improve the continuous working hours.





Phone: 714-998-6899 Rev # 20230922

Email: sales@additel.com

Corporate Headquarters 2900 Saturn St #B Brea, CA 92821, USA

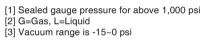
Salt Lake City Office 1364 West State Rd. Suite 101 Pleasant Grove, UT 84062, USA



Metrology Made Simple

PRESSURE RANGE

Gauge Pressure [1]							
P/N	Pressure Range		Media ^[2]	Annual Accuracy	Burst		
P/IN	(psi)	(bar)	ivieula	%FS	Pressure		
V15 ^[3]	-15	-1.0	G, L	0.5	3×		
GP15	15	1.0	G, L	0.5	3×		
GP30	30	2.0	G, L	0.5	3×		
GP50	50	3.5	G, L	0.5	3×		
GP100	100	7.0	G, L	0.5	3×		
GP300	300	20	G, L	0.5	3×		
GP500	500	35	G, L	0.5	3×		
GP1K	1,000	70	G, L	0.5	3×		
GP3K	3,000	200	G, L	0.5	3×		
GP5K	5,000	350	G, L	0.5	3×		
GP10K	10,000	700	G, L	0.5	1.5×		
GP15K	15,000	1,000	G, L	0.5	1.5×		

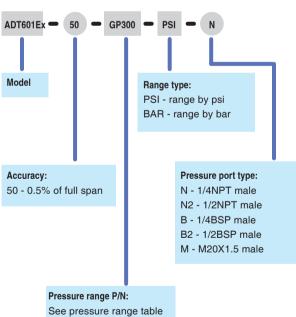






ORDERING INFORMATION





Accessories Included

AA alkaline batteries (3 pcs)	
Certificate of conformity (no data)	

Optional Accessories

Model number	Description
9259	Rubber Boot for 680AEx & 601Ex gauge (Red)
9040	Hanging strap with magnet
9257	Field rain cover
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)
9919-1	Carrying case for one 601Ex digital pressure gauge