

Digital Pressure Gauges

601Ex

- Pressure ranges from -15 psi (-1 bar) to 15,000psi (1,000 bar)
- 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



The 601Ex 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 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 601Ex 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 601Ex 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 601Ex is designed with membrane buttons, which can simply be wiped clean for quick 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.

Technical information

Pressure Ranges, Resolution, Overpressure:

	Range	Resolution	Overpressure
601Ex	-1 to 3 bar	1 mbar	9 bar
601Ex	-1 to 30 bar	10 mbar	90 bar
601Ex	-1 to 60 bar	10 mbar	180 bar
601Ex	0 to 300 bar	100 mbar	1050 bar
601Ex	0 to 700 bar	100 mbar	1050 bar
601Ex	0 to 1000 bar	1 bar	1500 bar

Reading per second	1
Zero function	Yes
Peak function	Max. or Min.
Auto power off	120, 90, 60, 40, 30, 15, min.
Power supply	Battery
Battery life	Up to 9000 hours
Battery	3 x AA alkaline battery
Display	4 digit LCD with backlight
Selectable read out	Pa, kPa, MPa, psi, mbar, bar, kgf/cm ² , %, mmH ₂ O(4°C), mmHg(0°C), InH ₂ O(4°C), InHg(0°C)
Communication	Bluetooth (BLE5.3)
Standard process coupling	1/4" BSP MALE
Enclosure	304SS, front panel anti-static PET, rubber boot anti-static
PTU	
Wetted parts material	316L SS
Protection class (EN 60529)	IP67
Dimensions	142 x 43, ø92mm
Weight	0,55 kg
Accuracy	0,5%FS
Accuracy 3 years calibration interval	x% FS
Storage-/ Operating Temperature	-40 to 75°C / -20 to 50°C
Compensated Temperature Range	-20 to 50°C

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