

GPG500 SERIES

DIGITAL PRESSURE GAUGE

FEATURES

- ◎ $\Phi 100\text{mm}$ diameter
- ◎ 5 digits LCD showing pressure accurately in real time
- ◎ Various pressure units, zero clearing, backlight, on/off functions
- ◎ Battery powered up for 12months, low-power design
- ◎ High accuracy



INTRODUCTION

The GPG500 Series is a high-precision intelligent digital pressure gauge, featuring a high-accuracy sensor for real-time pressure measurement. Known for its excellent precision and long-term stability, the GPG500 Series is equipped with a large LCD display and offers convenient functions such as zero clearing, backlight, on/off button, unit switching, and low-pressure alarm. Designed for ease of installation and operation, its housing and connector are made of durable stainless steel 304, providing superior vibration resistance. Suitable for measuring gases, liquids, oils, and other non-corrosive media, the GPG500 Series is ideal for portable pressure measurement, equipment support, and calibration applications.

SPECIFICATIONS

Pressure type	Gauge pressure, Absolute pressure, Sealed pressure
Pressure range	-100kPa...0~10kPa...160MPa
Diameter	100mm
Backlight color	White
Power supply	2 Triple A batteries
Electrical protection	Anti electromagnetic interference design
Overload pressure	150%(>10MPa);200%(≤ 10MPa)
Sampling frequency	3/sec
Response time	≤ 3ms(10%~90%)
Media temperature	-10℃ ~40℃
Accuracy	0.5%FS
Thread size	M20*1.5 G1/4 G1/2,G3/4, 1/4NPT,1/2NPT(customized)
Measuring medium	Fluid compatible with 304
Housing material	304
Diaphragm material	304

GPG580 SERIES

DIGITAL PRESSURE GAUGE

FEATURES

- ◎ $\Phi 80\text{mm}$ diameter
- ◎ 4 digits LCD showing pressure accurately in real time
- ◎ Various pressure units, zero clearing, backlight, on/off functions
- ◎ Battery powered up for 24 months, low-power design
- ◎ High accuracy



INTRODUCTION

The GPG580 Series is a high-precision intelligent digital pressure gauge designed to provide accurate, real-time pressure measurements. Featuring a high-precision sensor, it ensures excellent measurement accuracy and long-term stability. The GPG Series is equipped with a large LCD display and includes convenient functions such as zero clearing, backlight, on/off button, unit switching, and low-pressure alarm. Easy to install and operate, the GPG Series offers a user-friendly experience. Its housing and connector are made from durable stainless steel 304, ensuring excellent vibration resistance. This series is suitable for measuring gases, liquids, oils, and other non-corrosive media. Ideal for portable pressure measurement, equipment support, and calibration applications, the GPG Series is a versatile and reliable choice.

SPECIFICATIONS

Pressure type	Gauge pressure, Absolute pressure, Sealed pressure
Pressure range	-100kPa...0~10kPa...100MPa
Diameter	80mm
Backlight color	Blue
Power supply	2 Triple A batteries
Electrical protection	Anti electromagnetic interference design
Overload pressure	150%FS
Sampling frequency	5/sec
Response time	$\leq 3\text{ms}$ (10%~90%)
Media temperature	-10°C ~90°C
Accuracy	0.5%FS
Thread size	M20*1.5 G1/4 G1/2,G3/4, 1/4NPT,1/2NPT(customized)
Measuring medium	Fluid compatible with 316L
Housing material	304
Diaphragm material	316L

GPG600 SERIES ANTI-VIBRATION PRESSURE GAUGES

FEATURES

- ⦿ Mechanical design no power supply
- ⦿ Easy to install
- ⦿ Good shock-proof and anti-corrosion
- ⦿ High reliability and good repeatability



INTRODUCTION

The GPG600 Series Anti-Vibration Pressure Gauges are engineered to deliver reliable and accurate pressure readings even in harsh, high-vibration environments. These gauges are equipped with a high-performance Bourdon tube mechanism, specifically designed with a unique shockproof configuration, making them ideal for applications where equipment is exposed to significant mechanical stresses or vibrations.

APPLICATIONS

The GPG600 Series Anti-Vibration Pressure Gauges are widely used in industries where process pressure must be monitored in the presence of vibrations. They are particularly suitable for food processing machinery, including homogenizers and crushers, as well as other industrial applications such as mixers, pumps, and reactors in various sectors, including food, chemical, and manufacturing.

With their exceptional durability, accuracy, and resistance to vibration-related wear and tear, the GPG600 Series is the ideal choice for ensuring reliable pressure measurement in critical applications.

SPECIFICATIONS

Pressure range	0~10bar~1500bar
Accuracy	±1.6%FS
Configuration	Bourdon tube
Over Pressure	150%FS
Dial Diameter	100mm
Max Diaphragm Temp.	120°C
Process Connection	M20×1.5, M18×1.5, G3/4 (Optional)