

Walfront HG-806XB

Walfront Stainless Steel Hydraulic Pressure Gauge User Manual

Model: HG-806XB

1. INTRODUCTION

Thank you for choosing the Walfront HG-806XB Stainless Steel Hydraulic Pressure Gauge. This digital pressure gauge is designed for precise and reliable pressure measurement in various industrial and agricultural applications. Featuring a clear LCD display, robust stainless steel construction, and multiple unit conversion capabilities, it offers high accuracy and ease of use. This manual provides essential information for the proper installation, operation, and maintenance of your device.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the pressure gauge. Failure to follow these instructions may result in injury or damage to the device.

- Ensure the gauge is installed by qualified personnel in accordance with local codes and regulations.
- Do not exceed the maximum rated pressure of the gauge. Over-pressurization can cause damage or rupture.
- Verify compatibility of the gauge's materials with the measured medium (water, gas, oil).
- Do not use the gauge with corrosive, flammable, or explosive media unless specifically designed and certified for such applications.
- Protect the gauge from severe impacts, vibrations, and extreme temperatures outside its operating range.
- Always depressurize the system before installing, removing, or servicing the gauge.

3. PRODUCT OVERVIEW

The Walfront HG-806XB Digital Pressure Gauge features a robust design with an intuitive interface for accurate pressure readings.



Figure 3.1: Front view of the Walfront HG-806XB Digital Pressure Gauge, showing the LCD display, control buttons, and G1/4 connector.

Key components include:

- **LCD Display:** Clear digital readout with blue backlight for visibility in various lighting conditions.
- **Control Buttons:** Power On/Off, Unit Conversion, Zeroing, and Backlight control.
- **Pressure Connector:** Standard G1/4 thread for secure installation.
- **Battery Compartment:** Located at the rear for easy battery replacement.



Figure 3.2: Illustration of the gauge's buttons and their functions, including Peak save, On/Off, Backlight, Unit conversion (Mpa, Bar, PSI, Kg/cm²), and Clear Zero.

4. SETUP

4.1 Battery Installation

The gauge requires 3 x AAA batteries (not included) for operation.

1. Locate the battery compartment cover on the rear of the gauge.
2. Gently slide or unclip the cover to open it.
3. Insert 3 AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.



Figure 4.1: The battery compartment of the gauge with the cover removed, showing slots for AAA batteries.

4.2 Gauge Installation

Before installation, ensure the system is depressurized and clean the connection port.

1. Apply thread sealant (e.g., PTFE tape) to the G1/4 connector threads of the gauge.
2. Carefully screw the gauge into the corresponding G1/4 port on your system.
3. Tighten the gauge firmly by hand, then use a wrench to secure it, ensuring not to overtighten.
4. Once installed, slowly repressurize the system and check for any leaks around the connection.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **On/Off** button (power symbol) to turn the gauge on or off.

5.2 Unit Conversion

Press the **UNIT/ZERO** button to cycle through available pressure units: MPa, PSI, Kgf/cm², and Bar.

5.3 Zeroing the Reading

With no pressure applied, press and hold the **UNIT/ZERO** button for a few seconds until the display reads '0.00' to zero the gauge.

5.4 Backlight Control

Press the **Backlight** button (light bulb symbol) to turn the blue backlight on or off. The backlight will automatically turn off after 10 seconds to conserve power.

5.5 Automatic Shutdown

The gauge features an automatic shutdown function to save battery life. If no operation is performed for a certain period (typically 10 minutes), the gauge will automatically power off.

5.6 Peak Hold Function

The gauge can display the maximum pressure detected. This is indicated by the 'PEAK' symbol on the display. Consult the display for the peak pressure value.

6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your pressure gauge.

- **Cleaning:** Wipe the gauge's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the display or button areas.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display to ensure continuous operation and accurate readings.
- **Storage:** When not in use for extended periods, remove the batteries and store the gauge in a dry, cool place, away from direct sunlight and corrosive environments.
- **Calibration:** For critical applications, periodic calibration by a certified laboratory is recommended to maintain accuracy.

7. TROUBLESHOOTING

If you encounter issues with your pressure gauge, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display/Gauge does not turn on	Dead or incorrectly installed batteries	Check battery polarity; replace with new AAA batteries.
Inaccurate reading	Gauge not zeroed; sensor issue; external interference	Zero the gauge with no pressure; ensure proper installation; contact support if issue persists.

Problem	Possible Cause	Solution
Display flickering or dim	Low battery power	Replace batteries.
Gauge leaks at connection	Improper sealing; loose connection	Depressurize system, reapply thread sealant, and retighten connection.

If the problem persists after attempting these solutions, please contact Walfront customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Walfront HG-806XB Digital Pressure Gauge:



SPECIFICATIONS:

- Model number: HG-806XB
- Pressure range: 0-400BAR/ 0-40Mpa / 0-5800PSI
- Display unit: Mpa, Bar, PSI, Kg/cm²(switched)
- Accuracy class: 1.0%FS
- Gauge material: SUS304 stainless steel
- Connector size: G1/4
- Installation interface: M20 x 1.5
- Power supply: 3 x AAA batteries(Not included)
- Measuring medium: water, gas, oil
- Temperature: - 20 °C~70 °C
- Nominal diameter: Approx. 80mm/3.15inch
- Weight: 320g
- Package Included:
1 x Digital Pressure Gauge(battery are not included)

Figure 8.1: Detailed specifications of the HG-806XB Digital Pressure Gauge.

Feature	Specification
Model Number	HG-806XB
Pressure Range	0-400BAR / 0-40Mpa / 0-5800PSI
Display Units	Mpa, Bar, PSI, Kg/cm ² (switchable)
Accuracy Class	1.0%FS
Gauge Material	SUS304 Stainless Steel
Connector Size	G1/4
Installation Interface	M20 x 1.5
Power Supply	3 x AAA batteries (Not included)
Measuring Medium	Water, Gas, Oil
Operating Temperature	-20 °C ~ 70 °C
Nominal Diameter	Approx. 80mm / 3.15 inches
Product Dimensions (L x W x H)	4.72 x 3.15 x 0.47 inches
Product Weight	10.93 ounces (approx. 320g)
UPC	663862793802

9. APPLICATIONS

The Walfront HG-806XB Digital Pressure Gauge is suitable for a wide range of applications, including but not limited to:

- Pneumatic tools and air compressed systems
- Agricultural machinery
- Industrial equipment
- Power plants and water companies
- Medical equipment
- Gas processing equipment
- Water treatment equipment
- Environmental protection equipment

Applications: pneumatic tools, air compressed system, agricultural machinery, industrial equipment, power plant, water companies, medical equipment, gas processing equipment, water treatment equipment, environmental protection equipment such as pressure measurement.

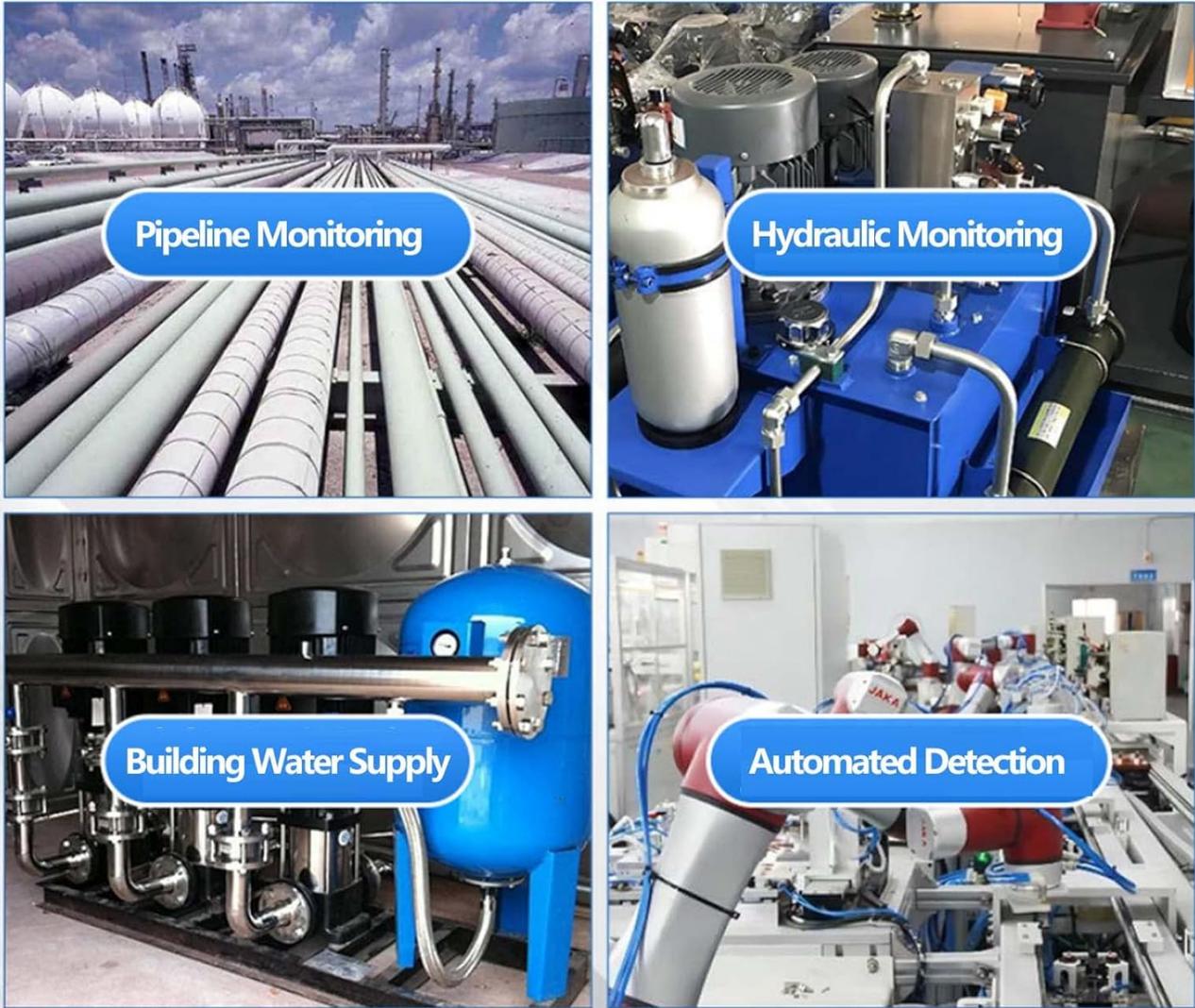


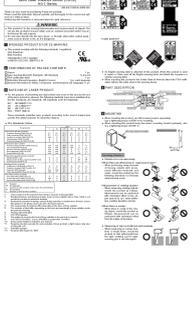
Figure 9.1: Examples of industrial and commercial applications for the digital pressure gauge.

10. WARRANTY AND SUPPORT

Walfront products are designed for reliability and performance. For warranty information or technical support, please refer to the product packaging or contact your retailer. You may also visit the official Walfront store on Amazon for further assistance and product information.

Walfront Store: <https://www.amazon.com/stores/Walfront/page/FECAC109-E5D3-4C74-B6F1-3FA643B2EA7D>

Related Documents - HG-806XB

	<p>Spectracide Triazicide Insect Killer For Lawns Granules - Safety Data Sheet</p> <p>Safety Data Sheet for Spectracide Triazicide Insect Killer For Lawns Granules (EPA Reg. No. 9688-250-8845). Provides comprehensive information on hazards, first aid, handling, storage, disposal, and regulatory status. Includes details on active ingredients like Gamma-Cyhalothrin and inert ingredients such as Peanut Hulls.</p>
	<p>MotionXtra User's Manual</p> <p>User's Manual for Redlake's MotionXtra high-speed digital imaging systems, covering HG-100K, HG-LE, HG-XR, HG-XL, HG-TH, and HG-CH cameras and MotionCentral software. Provides detailed information on setup, operation, specifications, and troubleshooting.</p>
	<p>Mitsubishi MELSERVO HG Series Servo Motor Instruction Manual (Vol. 3)</p> <p>This document is the official Instruction Manual (Vol. 3) for Mitsubishi Electric's MELSERVO HG Series AC Servo Motors, covering models HG-MR, HG-KR, HG-SR, HG-JR, HG-RR, HG-UR, and HG-AK. It provides essential information on installation, wiring, specifications, and safety precautions for these industrial automation components.</p>
	<p>Panasonic HG-C Series Micro Laser Distance Sensor Instruction Manual</p> <p>User manual for Panasonic HG-C Series Micro Laser Distance Sensors (HG-C1030, HG-C1050, HG-C1100, HG-C1200, HG-C1400). Covers installation, operation, teaching modes, settings, troubleshooting, and specifications. Features CMOS technology and laser measurement.</p>
	<p>Hygger HG-915 Series Aquarium DC Water Pump User Manual</p> <p>User manual for the Hygger HG-915 Series Aquarium DC Water Pump, detailing product features, parameters, operation, troubleshooting, and maintenance.</p>
	<p>Hygger HG-957 Aquarium LED Light User Manual - Setup and Operation Guide</p> <p>This user manual provides comprehensive instructions for the Hygger HG-957 Aquarium Extendable LED Light. It covers product features, detailed specifications for various models, essential safety precautions, and guides for operating in Standard, Manual, and customizable DIY modes to optimize aquarium lighting.</p>