

## FAUOSWUK HG-806XB

# FAUOSWUK HG-806XB Digital Hydraulic Pressure Gauge User Manual

Model: HG-806XB

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the safe and efficient operation of your FAUOSWUK HG-806XB Digital Hydraulic Pressure Gauge. Please read this manual thoroughly before using the device to ensure proper function and to prevent damage or injury. Keep this manual for future reference.

## 2. SAFETY INFORMATION

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- Always ensure the pressure gauge is compatible with the system's pressure range and media type (water, gas, oil) before installation.
- Do not exceed the maximum pressure rating of the device.
- Ensure proper sealing during installation to prevent leaks.
- Avoid exposing the device to extreme temperatures outside the specified operating range (-20°C to 70°C).
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Keep the device away from strong electromagnetic fields.
- Dispose of batteries according to local regulations.

## 3. PRODUCT OVERVIEW

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The FAUOSWUK HG-806XB is a high-precision digital hydraulic pressure gauge designed for accurate pressure measurement in various industrial and commercial applications. It features a clear LCD display with backlight, multiple unit options, and a durable stainless steel construction.



Figure 3.1: Front view of the FAUOSWUK HG-806XB Digital Hydraulic Pressure Gauge.

This image displays the main unit of the digital pressure gauge, highlighting its clear LCD screen and control buttons. The robust stainless steel casing is visible, along with the G1/4 NPT connector at the bottom.



Figure 3.2: Dimensions of the digital pressure gauge.

This image illustrates the physical dimensions of the HG-806XB gauge, showing its diameter (8cm/3.15in), height (5cm/1.96in), and connector length (4.6cm/1.81in). This helps in planning installation space.



Figure 3.3: Battery compartment access.

This image shows the rear of the pressure gauge with the battery compartment cover removed, revealing the slots for three AAA batteries. This highlights the battery-powered design for flexible use.



Figure 3.4: Digital pressure gauge in an industrial setting.

This image depicts the digital pressure gauge installed within an industrial pipeline system, demonstrating its application in real-world scenarios for monitoring hydraulic pressure.

#### 4. SPECIFICATIONS

| Feature        | Specification                      |
|----------------|------------------------------------|
| Model Number   | HG-806XB                           |
| Pressure Range | 0-400 BAR / 0-40 MPa / 0-5800 PSI  |
| Display Units  | Mpa, Bar, PSI, Kg/cm² (switchable) |
| Accuracy Class | 1.0% FS                            |
| Gauge Material | SUS304 Stainless Steel             |
| Connector Size | G1/4 NPT                           |

| Feature               | Specification                    |
|-----------------------|----------------------------------|
| Power Supply          | 3 x AAA batteries (not included) |
| Measuring Medium      | Water, Gas, Oil                  |
| Operating Temperature | -20°C to 70°C                    |
| Nominal Diameter      | Approx. 80 mm (3.15 inches)      |
| Weight                | 320 g                            |
| Manufacturer          | FAUOSWUK                         |
| Country of Origin     | China                            |

## 5. SETUP

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### 5.1. Battery Installation

1. Locate the battery compartment cover on the back of the gauge.
2. Carefully remove the cover. (Refer to Figure 3.3)
3. Insert three (3) AAA batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover securely.

### 5.2. Installation of the Gauge

1. Ensure the system where the gauge will be installed is depressurized and isolated.
2. Apply appropriate thread sealant (e.g., PTFE tape) to the G1/4 NPT connector threads of the gauge.
3. Carefully screw the gauge into the desired port. Do not overtighten.
4. Once installed, slowly repressurize the system and check for any leaks around the connection.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Power On/Off

- To power on, press the **Power** button (usually marked with a power symbol).
- The LCD screen will illuminate, and the current pressure reading will be displayed.
- The device features an automatic shutdown function to conserve battery power after a period of inactivity.

### 6.2. Unit Switching

- Press the **UNIT/ZERO** button to cycle through the available pressure units: MPa, Bar, PSI, Kg/cm².
- The selected unit will be displayed on the LCD screen.

### 6.3. Zeroing the Gauge

- To zero the gauge, ensure there is no pressure applied to the sensor.
- Press and hold the **UNIT/ZERO** button for a few seconds until the display shows "0.00".
- This function is crucial for accurate readings, especially before starting a new measurement.

## 6.4. Backlight Control

- Press the **Backlight** button (usually marked with a light bulb symbol) to turn the blue backlight on or off.
- The backlight will automatically turn off after approximately 10 seconds to conserve battery power.

## 6.5. MAX Pressure Reading

- The gauge automatically records the maximum pressure detected.
- Press the **MAX** button to view the highest pressure recorded since the last reset or power cycle.
- To clear the MAX reading, press and hold the **MAX** button.

# 7. MAINTENANCE

- **Cleaning:** Wipe the exterior of the gauge with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the LCD. Ensure to use 3 new AAA batteries.
- **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 extreme temperatures.
- **Calibration:** Regular calibration by qualified personnel is recommended to maintain accuracy, especially in critical applications.

# 8. TROUBLESHOOTING

| Problem                        | Possible Cause                                                            | Solution                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Gauge does not power on.       | Dead or incorrectly installed batteries.                                  | Check battery polarity and replace with new AAA batteries.                                                                        |
| Inaccurate readings.           | Gauge not zeroed; sensor contamination; gauge not compatible with medium. | Perform zeroing procedure. Ensure sensor is clean. Verify compatibility with measuring medium. Consider professional calibration. |
| Display is dim or flickering.  | Low battery power.                                                        | Replace batteries.                                                                                                                |
| No reading or "Err" displayed. | Sensor malfunction; pressure out of range.                                | Ensure pressure is within the specified range. If problem persists, contact customer support.                                     |

# 9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and conditions for the FAUOSWUK HG-806XB Digital Hydraulic Pressure Gauge is not available in the provided product details. For warranty claims or technical support, please contact your retailer or the manufacturer directly through their official channels.

Manufacturer: FAUOSWUK

For further assistance, please visit the [FAUOSWUK brand store on Amazon](#).

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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