

YW-60B Precision Digital Pressure Gauge



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YW-60B Precision Digital Pressure Gauge Product Manual

1. Product Overview

The YW-60B Precision Digital Pressure Gauge consists mainly of a housing, pressure sensor, and signal processing circuit system. It features a high-quality pressure sensor core with the following advantages: high accuracy, strong corrosion resistance, impact resistance, vibration resistance, minimal temperature drift, and good stability, along with a low-power microprocessor. The product is categorized by pressure characteristics into gauge pressure, differential pressure, and absolute pressure; by pressure range into low, medium, and high pressure; and by temperature range into normal, medium, and high temperature. This product is mainly used for precision measurement of gases and liquids in industries such as petroleum, chemicals, aviation, and other industrial sectors.

2. Technical Specifications

1. Measurement Range: -0.1 to 0 to 40 MPa
2. Accuracy Class: 0.2, 0.25, 0.4, 0.5
3. Display: Dynamic display with up to 5 digits
4. Overload Pressure: 1.5 times the rated pressure
5. Power Supply: 2 AA batteries
6. Medium Temperature: -20°C to 80°C
7. Operating Temperature: -10°C to 60°C
8. Operating Humidity: ≤80% RH
9. Standard Thread Interface: M14*1.5 (other threads need to be specified at the time of order)

3. Instrument Operation Functions

- Left Button: Press and hold for ≥2 seconds to power on or off, short press to toggle backlight.
- Right Button: When there is no pressure on the instrument, if zero drift occurs, press and hold for ≥2 seconds to reset to zero. Short press to switch units.

4. Installation Requirements

1. This instrument is a precision measuring device and should be installed in a location that is well-ventilated, easy to observe, convenient for maintenance, and free from corrosion.
2. The digital pressure gauge should be mounted vertically on a horizontal surface.
3. A copper or PTFE gasket should be used during installation.
4. This series of instruments can be used with a bench pressure pump; care should be taken to match the pressure range during use.
5. During installation and removal, tools should be used to secure the hexagonal part of the pressure gauge connection, and manual twisting of the gauge head is strictly prohibited.

5. Usage and Maintenance

1. Usage

1. After unpacking, first check if the manual, accessories, and certificate of conformity are complete. Ensure the specifications match the order and check the instrument's exterior for damage.

2. Read the manual carefully before installation and calibrate the instrument according to the technical specifications.

3. Install and use the instrument strictly according to the manual's instructions.

4. Certified products should not be randomly replaced or modified with electronic components, batteries, or parameter settings.

5. When the instrument is not in use or in storage, power should be turned off to extend battery life.

6. When replacing the battery, the same type of battery should be used, and replacement should be done in a well-ventilated environment.

7. This instrument is not suitable for outdoor use. If field installation is required, it must be equipped with protective measures against sunlight and rain.

2. Maintenance

1. Before installing the digital gauge on the equipment, check if the gauge head and measurement port are clean. Keep the pipeline clean during use.

2. The digital pressure gauge can withstand 1.5 times the rated pressure during use, but long-term overpressure use may affect measurement accuracy or even damage the instrument.

3. Battery precautions: The battery provided at the factory is not rechargeable, and charging is strictly prohibited.

6. Storage and Transportation

1. The product should be stored at temperatures between -20°C to 60°C, with a relative humidity below 85%, in a ventilated, dry environment free from corrosive gases.

2. The product, along with its certificate of conformity, user manual, and inspection report, should be packed together. During transportation, strong impacts must be avoided.

7. Ordering Information and Technical Support

1. When ordering, the user must provide the pressure measurement range, required accuracy class, output signal type, and any special requirements to select the appropriate product specifications.

2. If the product cannot function normally due to quality issues, our company will provide free repair or replacement within one year.

3. To ensure proper maintenance and servicing of the purchased product, our company provides various spare parts for a fee.