



instrument

**2024
PRODUCT
INTRODUCTION**

Digtal Pressure Gauge

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Company Profile

Weifang AOBO Instrument Technology Development Co., Ltd., founded in 2002, with registration capital of 10 million RMB, is a "High-Tech" and "Double-Software Certification" enterprise specialized in "flow measurement and intelligent measurement & control" industry, integrating R&D, production, sales and service.

The company has a core R&D team for computer software and technology, automatic intelligent control, HVAC engineering design and flow measurement. It has the ability to provide customers with specific solutions and complete sets of products according to their different needs, based on years of practical experience. Especially in the heating industry, by the customer's recognition, has a high reputation in the industry.

The products are mainly used in the measurement and control of "steam, liquid, gas, sewage and tap water"; and especially suitable for energy monitoring and energy-saving control in many industries, such as thermal power plants, thermal companies, residential heating, petroleum, chemical industry, papermaking, food, coating, printing & dyeing and HVAC.

Since its foundation, based on self-developed and leading technology, reliable quality, high-quality service and good reputation, our company has been warmly accepted by customers, and become a designated supplier for many central enterprises and listed companies.

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All of the catalogue and company information can be found at:

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I. Product Overview

ABDT-YBY-80C high precision digital pressure gauge with built-in high-precision pressure sensor can accurately display the pressure in real time, and has the characteristics of high precision and good long-term stability.



This product is equipped with LCD screen, which has many functions such as zero clearing, backlight, on-off, unit switching and low-voltage alarm. It has the advantages of simple operation and convenient installation.

This product adopts high-quality 304 stainless steel shell and joint, with good seismic resistance, and can measure gas, water, oil and other non corrosive media to stainless steel.

This product is suitable for portable pressure measurement, equipment matching, calibration equipment and other pressure measurement applications.

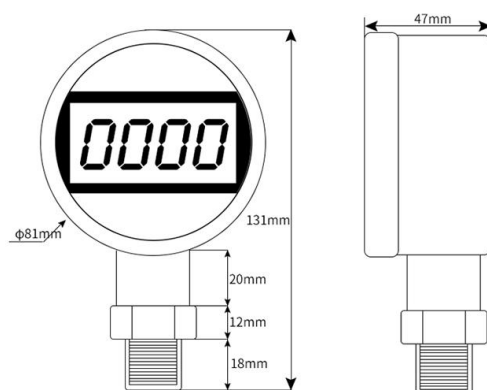
II. Product Characteristics

- (1) One click Reset, easy to use;
- (2) High quality 304 stainless steel shell and joint, earthquake resistant and durable.
- (3) Multiple measurement units, one key switching, easier to use.
- (4) With temperature compensation, small temperature coefficient and more accurate measurement.
- (5) 1.1 Times the maximum range overload display, with peak recording function and more reliable use.
- (6) Four digit half segment display, accurate and intuitive reading.
- (7) Graphical display of battery power and bar graph display of pressure value percentage table.
- (8) White backlight for easy viewing at night.
- (9) This product is powered by two No. 7 (AAA) batteries.

III. Performance Parameter(s)

Range	-0.1~0~ 60MPa
Pressure type	Gauge pressure, absolute pressure, seal gauge pressure
Overload	< 40MPa, 150%; ≥40MPa, 120%
Precision	±0.5%
Long term stability	0.2%FS/Y
Overall dimension	Diameter 81mm*height 131mm*thickness 47mm
Weight	About 440g
Power supply	3V(2 AAA batteries)
Battery life	≥ 6 Months (subject to specific working conditions)
Sampling frequency	3 Times / Second
Display screen	Four digit half segment liquid crystal display
Backlight color	White
Measuring medium	Air, water and oil have no corrosive medium to stainless steel
Peak recording	Yes
Case material	304 Stainless steel
Interface material	304 Stainless steel

IV. Dimension Structure and Installation



- 1) This instrument supports vertical or horizontal installation

- 2) Do not tighten through the dial when using, and pay attention that the pressure shall not exceed the range
- 3) At zero pressure, if the measured value of the product is not zero, in order to ensure the accuracy of measurement, please press the "reset key " for zero correction.
- 4) Before installing the product, check whether the pressure gauge is clean. During use, keep the pipeline clean.

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