

sisco

Digital Pressure Gauge

User's Guide



Preface

- Thank you for purchasing our company's products!
- This manual is about the product's functions, operation methods and troubleshooting methods.
Instructions for the law, etc.
- Please read this manual carefully before operation and use the product correctly.
- After you finish reading, please keep it in a safe place where you can access it at any time.

For reference during operation.

Notice

- The contents of this manual are subject to modification without notice due to function upgrades, etc.
- We strive to ensure that the contents of this manual are correct. If you find any errors,

Please contact our company.

Version

Version 1 May 2020

Confirm the package contents

After unpacking, please confirm the product and accessories. If there is any error in the product or quantity,

If it is incorrect or the appearance is damaged, please contact our company.

Product List

Serial number	ItemName	Quantity
1	Digital pressure gauge	1
2	Instructions	1
3	Certificate of Conformity	1
4	AAA batteries	2

Precautions for use

1. When the backlight is not needed, please turn it off to extend the Battery life.
2. Please remove the battery if the product is not used for a long time.
3. If you need to calibrate the product, please contact our company. Non-professionals are not allowed to calibrate the product.

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1. Product Introduction

The high-precision digital pressure gauge, built-in high-precision pressure sensor, which can accurately display pressure in real time, with the advantages of high precision and long-term stability.

This product is equipped with a segment LCD display with clear, backlight, multiple functions such as power on/off, unit switching and low voltage alarm, etc. Operate simple and easy to install.

This product made of high-quality 304 stainless steel shell and joints, which has shock-resistant and can measure media such as gas, water, oil, etc. that are non-corrosive to stainless steel.

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

Features

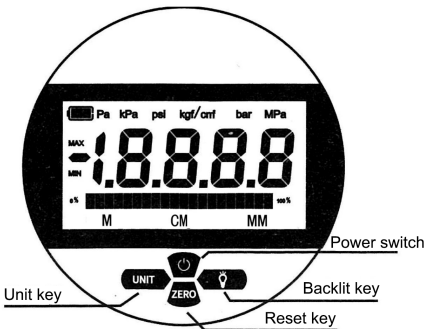
- One-touch reset, easy to use.
- High-quality 304 stainless steel housing and connectors, shock-resistant and durable.
- Multiple measurement units, switch with one click, making it easier to use.
- With temperature compensation, small temperature coefficient and more accurate measurement.

- Maximum 1.1 times range overload display, with peak value record function, more reliable to use.
- Four-and-a-half-segment display, accurate and intuitive readings.
- Graphic display of battery power and bar graph display of pressure value percentage.
- White backlight for easy viewing at night.
- This product is powered by 2 AAA batteries.

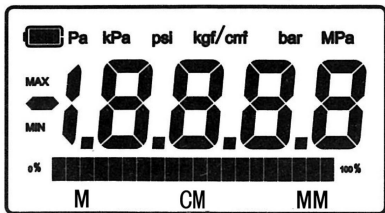
2. Technical Parameters


Measuring range	-0.1~0~60MPa
Pressure Type	Gauge pressure, absolute pressure, sealed gauge pressure
Overload capacity	< 40MPa, 150%; ≥ 40MPa, 120%
Accuracy	±0.4%
Long-term stability	0.2%FS/Y
Dimensions	Diameter 81mm*Height 131mm*Thickness 47mm
Weight	About 440g
Supply voltage	3V (2 AAA batteries)
Battery Life	≥ 6 months (subject to specific working conditions)
Sampling frequency	3 times/second
Display screen	Four-digit half-segment LCD display
Backlight Color	White
Measuring medium	Air, water, oil and other media that are non-corrosive to stainless steel
Peak Record	√
Case Material	304 stainless steel
Interface material	304 stainless steel

3. Display and buttons



Power button	On/off
Unit button	Short press the unit key to switch units.
Reset button	Press and hold the reset button for 3 seconds to calibrate the zero error.
Backlight button	Short press to turn on/off the backlight.



Symbol	Meaning
Pa, kPa, psi, kgf/cm ² , bar, MPa	Pressure Unit
MAX	Maximum pressure
MIN	Minimum pressure
	Battery power
Other logos	System parameters

4. Pressure gauge calibration

If the pressure measurement is inaccurate and pressure calibration is required, please contact our company.

The company will explain the calibration method to professionals or hand it over to professionals for operation.

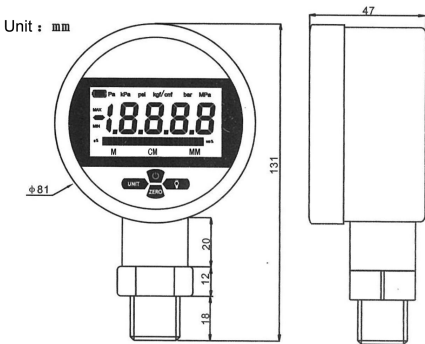
Note: Non-professionals are not allowed to calibrate the product to avoid product damage.

5. Peak value saving function

Press and hold the "Unit" key for 3 seconds to display the maximum value MAX recorded since the last reset. Short press the "Unit" key to switch to the minimum value MIN. Short press the unit key again to exit the record display.

When the MAX or MIN value is displayed, press and hold the "Reset" key for 3 seconds to clear the record and restart recording data.

6. Dimensions, structure and installation



- 1) This instrument supports vertical installation or horizontal installation.
- 2) Do not tighten the dial during use, and be careful not to exceed the pressure range.
- 3) At zero pressure, if the product measurement value is not zero, in order to ensure the measurement to ensure accuracy, press the "Reset" button to perform zero point calibration.

4) Before installing the product, check whether the pressure gauge is clean.

During operation, the pipeline should be kept clean.

VII. Precautions

Please read carefully before use

1. Please check whether the packaging and appearance are intact after receiving the product, and check whether the model and specifications are consistent with the purchased product.
2. Before use, please ensure that the parameters are within the permitted range.
3. This product is a built-in diffused silicon pressure sensor, which is a precision device. It must not be disassembled by yourself during use, and the diaphragm must not be touched to avoid damage to the product.
4. Please use a suitable wrench to install and remove. Do not use force to install or remove. Otherwise the damage caused is not covered by the warranty.
- 5) Please use a suitable wrench to install and disassemble, and do not install or disassemble with force, otherwise the damage caused is not covered by the warranty.
- 6) If any abnormal phenomenon occurs, please contact our after-sales technicians.

8. Warranty and After-Sales Service

The product warranty period is 1 year. During the warranty period, if there are any product quality problems, our company provides free repair, replacement or return.

Disclaimer

During the warranty period, product failures caused by the following reasons are not covered by the three guarantees service:

1. Product failure caused by improper use by the customer.
2. Product failure caused by the customer's self-disassembly, repair and modification of the product.

IX. Product Selection

Pressure Gauge Spectrum					
Model					Explanation
Series Name	HE80C				Series Name
Measuring Range		00			-100-0kpa
		01			-100-100kpa
		02			0-10kpa
		03			0-20kpa
		04			0-50kpa
		05			0-100kpa
		06			0-0.6Mpa
		07			0-1.0Mpa
		08			0-1.6Mpa
		09			0-2Mpa
		10			0-2.5Mpa
		11			0-4Mpa
		12			0-5Mpa
		13			0-6Mpa
		14			0-10Mpa
		15			0-16Mpa
		16			0-20Mpa
		17			0-30Mpa
		18			0-40Mpa
		19			0-50Mpa
	20			0-60Mpa	
Thread			M0		M20*1.5
			G2		G1/2
			G4		G1/4
Language				C	Chinese
				E	English