



DSZH[®]

WK-VG89



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VACUUM METER



HIGH QUALITY VACUUM METER

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INTRODUCTION:

The vacuum gauge is an instrument for measuring the vacuum degree of the system, distinguishing the merits and demerits of the vacuum pump, vacuum leak detection and so on. In the vacuum operation, it is necessary to judge whether the air tightness of the vacuum pump is up to the standard, otherwise the air, moisture, smoke, impurities and other impurities in the system cannot be discharged. Therefore, vacuum gauge is widely used in vacuum pump manufacturing, refrigeration, military, metallurgy and other industries.

DSZH[®] brand WK-VG89 vacuum gauge adopts intelligent control system and pirani professional vacuum sensor, measuring range from atmospheric pressure of about 100kPa to the limit vacuum (0.1pa), you can clearly see the whole process of vacuum pumping.

Welcome to buy our products.

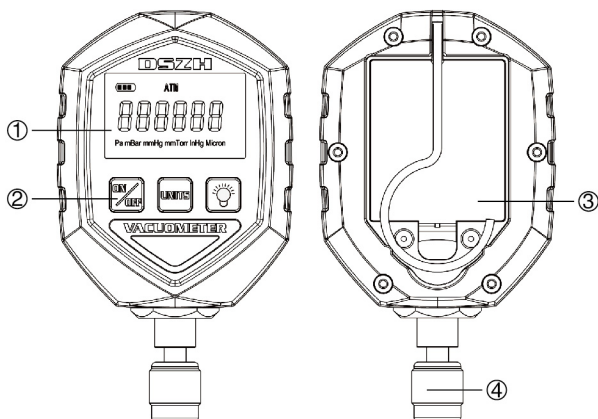
FEATURE

- ★ The vacuum was measured at 1ATM~ 0.1Pa.
- ★ Target vacuum alarm function.
- ★ One key full degree calibration.
- ★ System vacuum leak detection, identify the advantages and disadvantages of vacuum degree.
- ★ Portable design, battery power supply, power display, automatic shutdown (no operation for 10 minutes), etc.

TECHNICAL PARAMETERS

Range	1ATM(approximately 100000Pa)~0.1Pa, 750000~0.75Micron
Accuracy	0.1Pa~1000Pa; Reading $\pm 5\%$ (at20°C)
Resolution	0.1Pa(<10Pa);1Pa(<100Pa); 10Pa(<1000Pa)
Unit	Pa,mBar,mmHg,mTorr,InHg,Microns
Battery life	40 hours(4 × AA battery)
Maximum overload pressure	0.5MPa/72PSI
Operating Temperature	-5~50°C(-23~122°F)
Buzzer Alarm	90db,shut down after 10 seconds

INSTRUMENT OVERVIEW

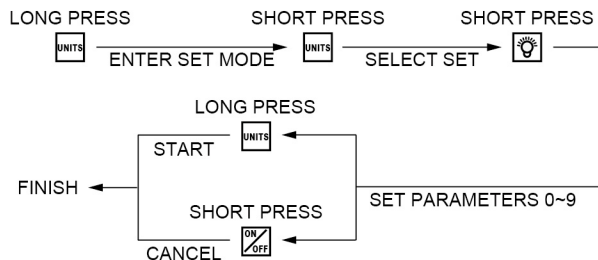


①	LCD Display
	BUTTON: Power on(short press) / Power off(long press)
②	BUTTON: Select the unit(short press) / Alarm setting(long press)
	BUTTON: Backlight switch (short press) / Calibration(long press)
③	Battery cover(4 × AA battery)
④	Sensor connections 7/16"-20UNF Female

OPERATION

1. Remove the battery cover, make sure the battery polarity is placed correctly, install the battery cover.
2. Press , "long beep" power on vacuum meter.
3. Press select the unit of measurement.
4. Connect vacuum meter to vacuum pump or vacuum system measure vacuum degree.
5. Long press , "short beep" power off vacuum meter.

ALARM SETTING



- ★ After the alarm setting is completed, enter the alarm mode (5S"beep") until the target vacuum alarm is reached (the alarm is automatically cancelled 20S later).

FULL SCALE CORRECTION

In the state of starting up in the atmospheric environment, long press , the screen would display "CALI" to correct the vacuum gauge fullness (Note: the altitude, climate and other factors affect the timely correction).

ZERO CALIBRATIONZERO CALIBRATION

The company has already calibrated the vacuum gauge to zero point. If you have any further questions, please email us: Dobest@cnzongheng.com

IMPORTANT NOTES REGARDING VACUUM LEAK TEST

When detecting system leaks under high vacuum (less than 1000 microns), connect the gauge directly to the system. If additional connections are required, use copper tubes (do not use rubber tubes) and high vacuum shut-off valves. Standard charging hoses and shut-off valves of manifold gauge sets may leak a small amount under high vacuum conditions. When the high vacuum test is initiated, the gauge count may 'drift' until the system is balanced. After a brief stabilization period (5 minutes), the vacuum reading would go stable. Continued 'drift' vacuum readings may indicate a leak in the system.

WARNING!! Do not turn off the vacuum pump until the gauge is disconnected from the system. Otherwise high pressure may be generated in the system and oil may enter the sensor chamber.

CLEANING SENSOR

Observe the gasket after each vacuum measurement. If oil is found, there may be oil in the sensor chamber. Follow these steps:

1. Disconnect the sensor compartment from the socket.
2. Remove the washer and pressure reducer from the assembly and clean it.
3. Clean the gasket, clean the sensor chamber with acetone, wash repeatedly until the oil is completely removed, and all parts are allowed to dry for 2 to 4 hours and volatilize.
4. Reassemble the parts and test the vacuum gauge.

NO DISPLAY

Check battery and electrode.

WARNINGS

Please wear goggles and gloves.

Keep in a dry place, do not let moisture enter the vacuum gauge.

WARRANTY

This product is warranted for one year, but does not cover damage caused by abuse, misuse, or wear and tear in normal use.

The warranty is effective from the initial user and the warranty time is calculated from the time of purchase.

