User Manual VGW-760 Wireless Digital Vacuum Gauge

Overview

Thank you for buy our brand new vacuum gauge. Please read this manual and become familiar with the specifications and operation of the gauge prior to use, esp. the
The VGW-760 is a wireless digital vacuum gauge for obtaining accurate vacuum measurements during filling refrigerants. It features professional vacuum sensor to precisely test vacuum. The evacuation of a HVAC and refrigeration system is to evacuate the air and moisture in the system, which, if mixed with refrigerants, may produce acidic chemical reaction, causing damages to the system in long term. Generally, system vacuum should be below 700 micron so that the moisture in the system can be effectively reduced. The best vacuum is 300 micron. Ordinary refrigerants cannot meet this requirement. VGW-760 is used to test system leak and discern vacuum pump quality.

Features

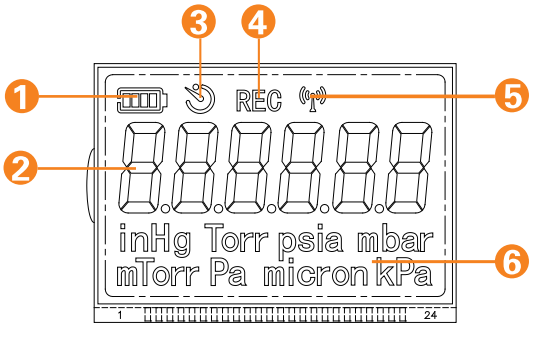
- View data on mobile app.
- Data analysis in graphs.
- Protection grade IP65.
- Record data and generate report.
- Settable high/low pressure alarms.

Specifications

Measuring range: 0-19000 micron	Operating temperature:
Resolution: 0-400 1 Micron	0°F~ 140°F (-17.8°C ~ 60°C)
400-3000 10 Micron	Wireless transmission distance: 30m
3000-10000 100 Micron	Offline records: 9943 readings
10000-19000 250Micron	Fitting: 1/4" Male Flare
Accuracy: ±10%	Product size: 127*74*37mm
Power supply: 3 AA batteries	Max overpressure: 27.5 bar

Time in use: 180h Units: inHg , Torr , psia , mbar , mTorr , Pa , micron , kPa

Display:



① Power level
② Auto off
③ Status: Recording
④ Network: Connected
⑤ Pressure
⑥ Units

Buttons:

Press and release	Backlight	On/Off	Wireless connection
Press and hold	Switch units		Record
Press both	Enable Auto off		

Operation Instruction

1) Press to turn on the gauge before connecting it to a system. It will take 10 seconds for the gauge to warm up. Then it enters normal display.
2) After power on, the gauge will display "----" if the current pressure goes above its measuring range. Data do not show until the measured pressure is within the range.
Note: Keep the pressure below 27.5bar, otherwise the sensor may be damaged.
3) Make sure the connection type of the access system matches with the gauge fittings. If not, please use the included adapter.
4) Press and release to turn on backlight. The backlight will be auto off two minutes later. Press in two minutes to turn off backlight directly.
5) Press and hold to switch measurement units.
6) Press and release to enable wireless connection. Press it again to disable wireless connection.
7) Press and hold until "REC" appears in the screen to enable record function. Press and hold again to disable this function.
8) Press and release to turn off the gauge. Please use special tools to remove it.
Note: Please do not close the vacuum pump before removing the vacuum gauge from the system, or high pressure may occur in the system so that impurities will enter the sensor cavity.

Battery indicator :
The battery power is indicated in segments, which reduce with power consumption until the frame of flashes. Hence the LCD will display unstably.
Please change batteries before the screen indicates unstably in case error message affects the normal use of the gauge.

Clean the sensor
The vacuum sensor may be contaminated by impurities in use. To ensure its accuracy, please follow the steps as follows:
1)Turn the gauge off and remove batteries.
2)Inject acetone or alcohol (>70%) into the vacuum cavity with a dropper or a syringe. Tighten the nut and gently shake the gauge.
3)Loosen the nut and drain the fluid from the cavity. Repeat such operation 3 to 4 times.
4)Evacuate it or place it for 3 hours until the sensor gets dry.

Use the APP
Turn on the gauge and enable wireless connection, open the mobile APP to research the device and then connect.
In the connected devices interface, click "+" to add the device in the interface for viewing live pressure.
Note 1) Multiple devices can be added for viewing simultaneously.
2) For more details, go to APP menu – help.

Elitech Technology, Inc.
1551 McCarthy Blvd Suite 112 Milpitas CA 95035
http://www.elitechus.com

ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007

Download APP:

Search “Elitech Gauge” to get the APP for the iOS on the App Store™.
Search “Elitech Gauge” to get the Android APP from Google Play™.

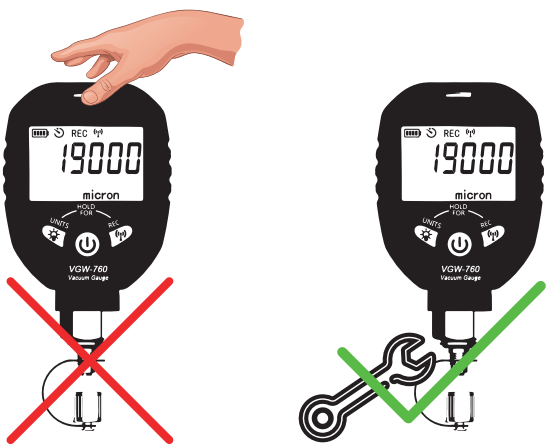
Download on the APP Store
Version 8.0 or higher

GET IT ON Google Play
Version 4.3 or higher

Warning:

1. Please use the gauge in specified environment to avoid error or damage of the sensor.
2.Please do not use chemical solvent or corrosive liquid to clean the gauge.
3.Please do not disassemble the gauge.
4.Remove the batteries if the gauge is not to be used for a long time in case the leakage corrodes the gauge. The batteries included are not rechargeable. Please do not charge them.

Please use a special tool to install or disassemble it. Do not strongly rotate the shell in case it is damaged.



Package contents

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Three-way connection ----------1
Bent adapter ----------1

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