Premium Refrigerant Tools

Digital Vacuum Gauge
Basic Type



VG-100

Instructions

1.Measure the vacuum level according to the instructions and within the parameters specified in the manual.

2.Do not use any corrosive cleaners or any solvents to clean the Unit.

3.Please Wear goggles and protective gloves before operation it.

4.Tighten the copper cover and store it in a dry place.

5.It cannot be used for measurements in non-atmospheric environments (the readings in refrigerant or other gas environments will be inaccurate.If measured in a non-atmospheric environment,the accuracy will return to normal after it is placed in the atmosphere for 24 hours).

6.Do not operate in an environment with high concentration of flammable or explosive gas,as the sensor needs to be preheated.

Products Overview



①	DISPLAY(Vacuum degree,Unitsand Battery capacity)
②	Power On /Off /Backlight Unit selection /Add value in set Mode SET:Long press the button into Alarm Set Mode SAVE/CAL:Save Alarm value /Full scale calibration/Zero Calibration in Set Mode
③	Connection:7/16-20 UNF(1/4"Flare)

Technical Parameters

Maximum Overload Pressure	14 PSI/0.1 Mpa
Range	0~10000 Pa,0~100.00mBar, 0~75.000 mmHg,0~75000 Micron
Resolution	0.01(<10Pa)、0.0001 (<10mBar)、 0.0001 (<10mmHg)、1(<30000 Microns)
Accuracy	2-100Pa: ±5%of reading (at 20℃)
Operating Temperature	0-50℃(32-122°F)
Unit	pa、mbar、mmhg、microns
Refresh Rate	0.5 Second
Connection	7/16-20 UNF(1/4"Flare)
Sensor	Pirani Sensor
Auto Shut Off	10 minute
Applicable environment	atmospheric environment (it can not be measured in the presence of refrigerants and other gas environment)

Basic Operation

1.Press and hold the power button,the screen turns on and the startup is complete.

2.Set the alarm value.When the vacuum level drops to the set alarm value,the horn will start to sound and the backlight will flash.

3.Press and hold the power button for 1 second to shut down.

◆Unit Selection

Press the UNIT key to switch units.

◆Setting Alarm

Long press the SET button to enter the setting interface.

1.Press the SET key again to select the digit to be set,and the selected digit will flash.

2.Press the UNIT key to modify the flashing number.

3.Aftersetting the value,press the SAVE/CAL key to save it.

Basic Operation

Backlight

◆ Short press the power buttonto turn on the backlight,it will be turn off after 20 seconds automatically.

Auto-Off

◆Auto power off after 10 minutes if no any operation.

Full Scale Calibration

◆If the unit completes warm-up but the display do not shows "-------",press and hold button SAVE/CAL(under atmospheric pressure)for 3 seconds until the display shows "-------".

Zero Calibration

◆ Connect the vacuum gauge to the vacuum system.When the vacuum level of the vacuum system reaches 0.1Pa, press and hold the SAVE/CAL button for 3 seconds until the screen displays "0.1Pa"to complete the zero calibration.

Basic Operation

Sensor cleaning

During the procedure,it is possible that the sensor is polluted by foreign matter,and then you need to clean the sensor.Follow these instructions:

1.Turn off the vacuum gauge,and remove all the batteries.

2.Shake out the foreign matter.

3.Using an eye dropper or a syringe,fill the sensor chamber with alcohol or isopropanol.Tighten the copper cap,and then rinse the sensor chamber for 3~4 times with alcohol or isopropanol.

4.Thoroughly dry the sensor by vacuumization or at least 2 hours of air dry.

5.Inspect the vacuum meter and make a Zero Calibration.

Basic Operation

Note:Professional use only .Need a vacuum chamber and a 0.1Pa standard diaphragm vacuum gauge are required to complete the zero calibration.Zero calibration will be completed before shipment to ensure the accuracy of each vacuum gauge.

APL ASIA CO., LTD. Authorized Distributor
Address: 11/129-132 Moo.5 Lamlukka Rd.,
T.Kookut, A.Lamlukka, Pathumthani 12130 Thailand.
TEL: 0-2995-4461-4
Website: www.apl-asia.com
EMAIL: sales@apl-asia.com
LINE@: @APL-ASIA