

# DIGITAL PIRANI VACCUM GAUGE

The perfect solution for accurate and reliable  
vacuum measurements!



# REVARON DIGITAL PIRANI GAUGE

The perfect solution for accurate and reliable vacuum measurements!

With its state-of-the-art technology, the Digital Pirani Vacuum Gauge provides precise readings of vacuum levels, making it an ideal tool for a wide range of applications. Whether you're working in a laboratory, industrial setting, or any other vacuum-related industry, this gauge is designed to deliver consistent and reliable results.

The Digital Pirani Vacuum Gauge is equipped with a large, easy-to-read digital display, making it simple to interpret the readings. It is also incredibly user-friendly, with intuitive controls and a sleek, ergonomic design that makes it comfortable to use for extended periods.

The gauge is constructed with high-quality materials and built to withstand even the toughest working conditions, ensuring durability and longevity. It is also designed to be portable, with a compact size that makes it easy to transport from one location to another.

Our Gauge is a multi-functional device ADC and gauge in same unit with real-time display.



## APPLICATIONS

For General Vacuum applications  
Coatings (PVD, CVD, MOCVD, PECVD)

Solar cell production

Vacuum drying/heat treatment

Electron beam welding

Surface coating

Rotary pumps

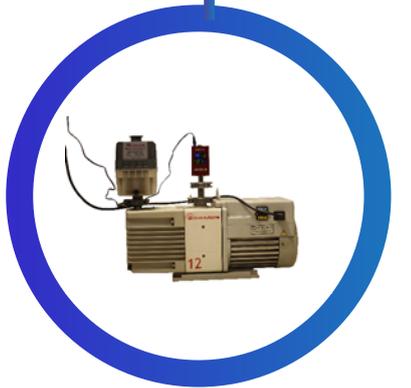
Leak Detection

Quality and Process control

Research and Development

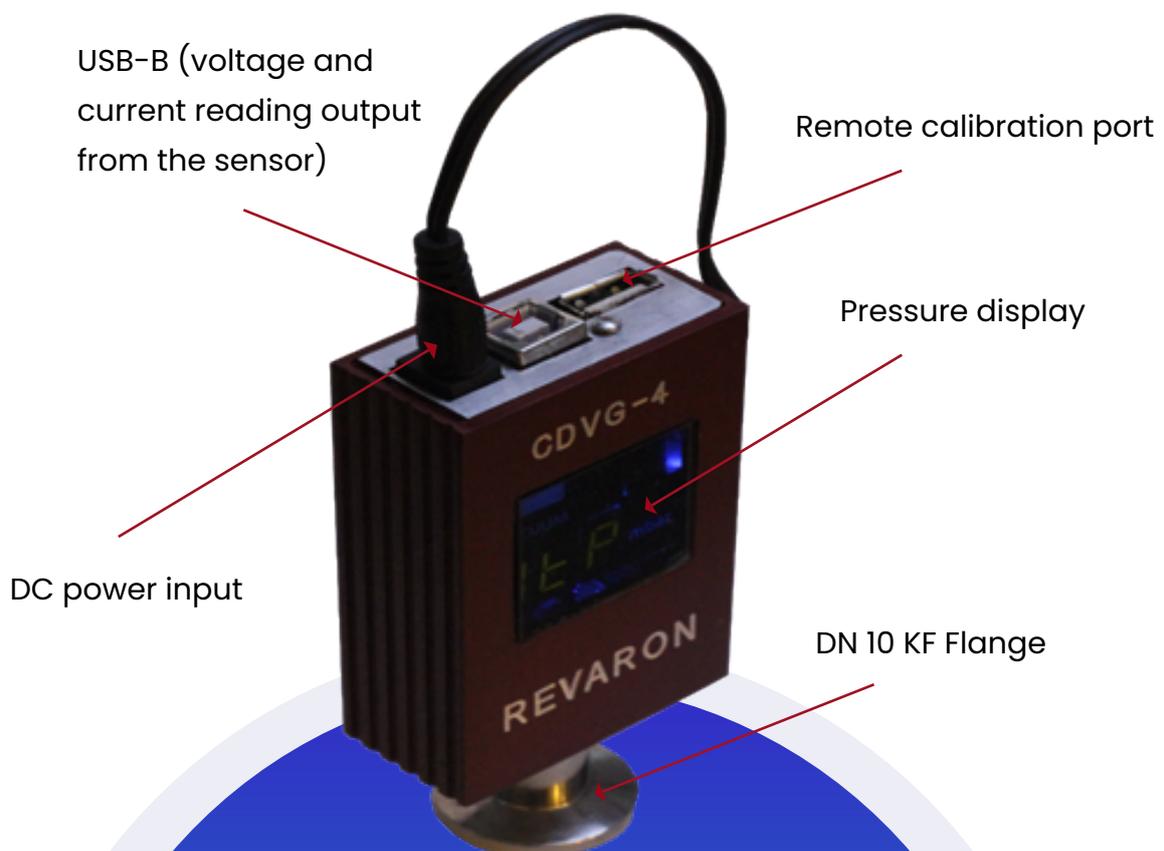
# Features and Specifications

Display	7 Segment LED display
Model No	DCVG-04
Working Principle	Thermal Conductivity
Units	mBar (default), mTorr (configured on customer request)
Resolution	2 decimal places
Sensor body material	Stainless Steel
Filament	Tungsten
Connection Flange	DN 10 KF (coupling KF flanges are provided at customer request)
Measurement Range	Atmosphere to $5 \times 10^{-4}$ mbar
Response Time	50 mSec
Operating Temperature	RT to 65 oC
Output Signal	4 to 20mA (can be configured with 0 to 1V or 0 to 10V on customer request)
Power Supply	DC +5V (100mA), Adaptor type, 2.1mm socket.
Communication port	USB-RS485 Communications Module (supports PLC and SCADA)
PC Interface	For calibration and Vacuum measurements
Repeatability - (typical)	+/- 5%
Output behaviour	LINEAR OUTPUT corelated to current and voltage.
Ports	DC 2.1mm socket, USB-b and USB-c
Dimensions L x W x H	(84mm x 25.4mm x 51mm) (3.3" x 1" x 2")
Weight	250g
Certifications	CE , RoHS compliant
Included	DC Power Supply with 2.1mm Jack.
Additional Accessories	<ol style="list-style-type: none"> <li>1. USB-RS485 USB cables</li> <li>2. Adapters (electrical)</li> <li>3. Protection Inlet.filters</li> <li>4. Measurement datalogging cable</li> </ol>



# Key Features

- ▶ Pressure in psi, mbar & mTorr
- ▶ Real-Time Read-Out
- ▶ Compact, modular, lightweight
- ▶ Filament voltage, current, and emission current can monitored in real time via RS485.
- ▶ NW16, NW25 AND DNI6CF FLANGE convertor options for easy connection to vacuum systems.
- ▶ Facilitates in-house calibration.
- ▶ Power saving LED Display
- ▶ The USB-RS485 module provides an easy-to-use RS485 interface and allows users to use with PLC and SCADA
- ▶ Built-in Electrometer eliminates use of additional controller, space and cabling resulting in cost saving and improving accuracy in measurements.





## Sales and Support



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