

DIGITAL PIRANI VACCUM GAUGE

The perfect solution for accurate and reliable
vacuum measurements!



REVARON DIGITAL PIRANI GAUGE

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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

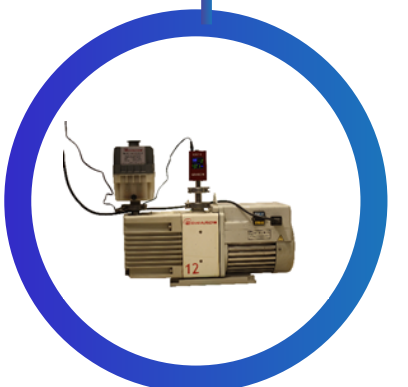
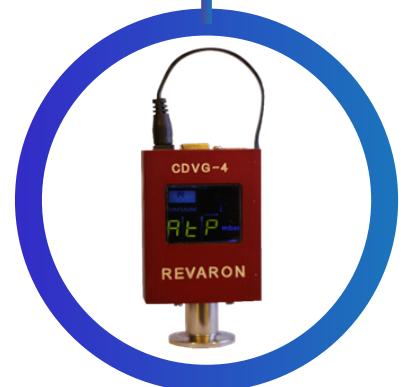
Leak Detection

Quality and Process control

Research and Development

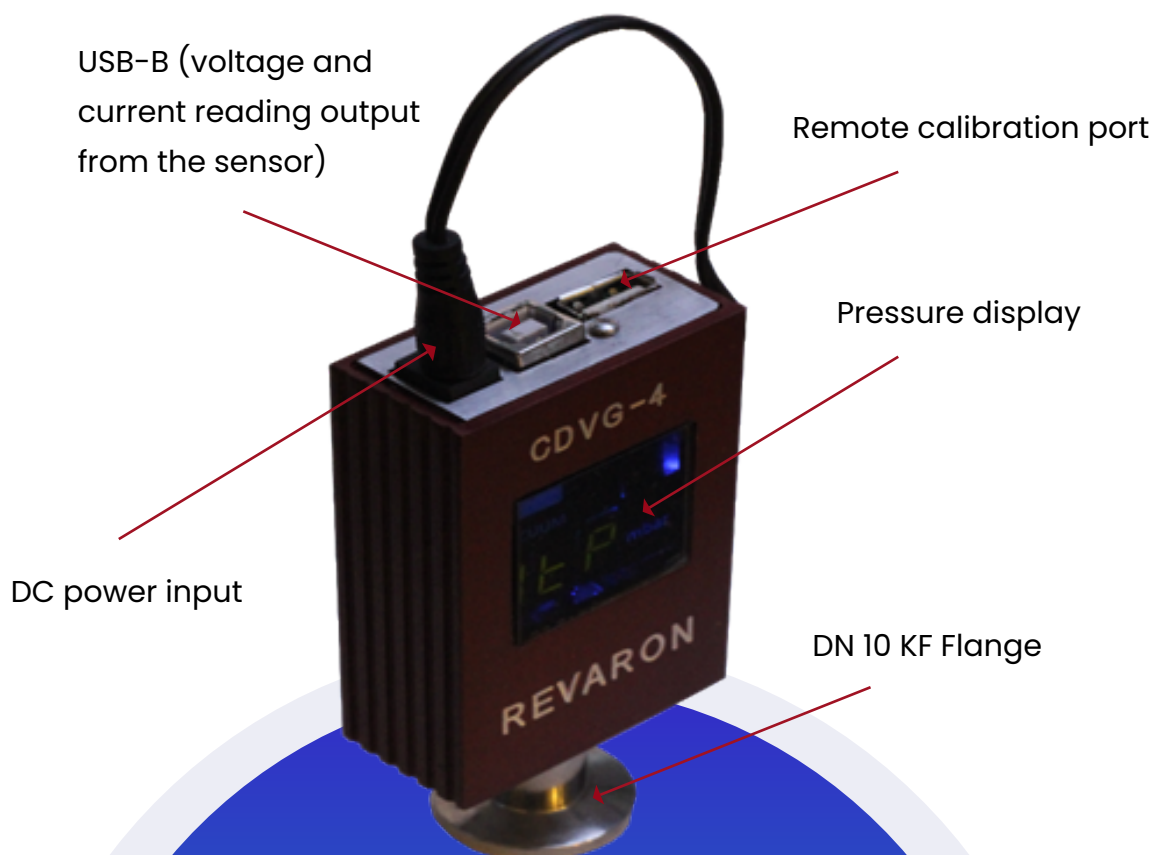
Features and Specifications

| | |
|---------------------------|--|
| 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 5×10^{-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"> 1. USB-RS485 USB cables 2. Adapters (electrical) 3. Protection Inlet.filters 4. Measurement datalogging cable |



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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