

RCP 230N

Portable Pirani vacuum gauge

RCP230N is a handheld portable Pirani vacuum gauge developed by Infitech specifically for measuring the vacuum of equipment in non fixed or irregular short use situations, with a measurement range from atmospheric pressure to $1.0E-2Pa$. The RCP230N is equipped with a set of high-capacity lithium batteries, which can work continuously for more than 40 hours on a single charge. The automatic sleep and shutdown functions greatly extend the actual working time, relieving the anxiety of battery depletion in conventional dry battery Pirani vacuum meters. It is an ideal vacuum measurement tool for mobile detection, field operations, and equipment maintenance.

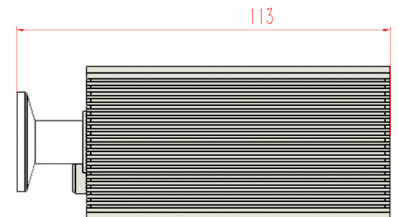
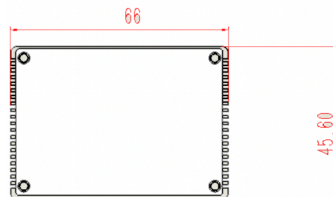


Advantages

- Compact and easy to carry around
- Big color LCD screen, easy vacuum read.
- Built-in large capacity lithium battery, no need for external power supply
- Battery detection and real-time display, low battery alarm, charging status indication
- Automatic sleep, shutdown function
- Supporting multiple units, Pa, mBar, Torr can be flexibly selected
- Intelligent calibration, for ATM and HV.
- Supports power-off memory function

Typical application

- Mobile detection
- Field operations
- Fixed point inspection and maintenance
- Other vacuum measurement scenarios without power supply or difficult to supply power



Specification

Materials exposed to vacuum	SS316L stainless steel, tungsten, kovar, glass
Measurement range	$1.0 \times 10^{-2} \sim 1.0 \times 10^{+5} Pa$ (Air, N ₂)
Accuracy(N₂)	$1.0 \times 10^{-2} \sim 1.0 \times 10^{-1} Pa$: ±30% of reading $1.0 \times 10^{-1} \sim 1.0 \times 10^{+4} Pa$: ±15% of reading $1.0 \times 10^{+4} \sim 1.0 \times 10^{+5} Pa$: ±50% of reading
Repeatability	$1.0 \times 10^{-2} \sim 1.0 \times 10^{-1} Pa$: 5% $1.0 \times 10^{-1} \sim 1.0 \times 10^{+3} Pa$: 2% $1.0 \times 10^{+3} \sim 1.0 \times 10^{+5} Pa$: 5%
Displayer	LCD screen, real-time vacuum display
Admissible temperature	Operation 0 °C~+45°C, storage -40 °C~+75°C
Power supply	Built in lithium battery; attached a +5V/4A charger; Continuous operation at full charge for >40 hours
Vacuum connections	DN 16 ISO-KF
Max Withstand Pressure	5bar
Weight	480g