

# VC205 Portable VOC Gas Detector

[www.hwsensor.com](http://www.hwsensor.com)

## FEATURES

- **Advanced PID detection technology**  
Long-lifespan UV lamp which can work for more than 10000 hours  
Built-in temperature and humidity sensors for automatic compensation
- **Rich gas library**  
Including over 700 VOC gases, meeting the needs of multiple scenarios
- **Large capacity data storage**  
More than 1.3 million memory, 60-second storage interval, at least 2-year storage
- **Long battery life**  
Can work for 16 hours after full charging
- **Easy-to-use PC analysis software**  
PC software can read instrument data and display it graphically
- **Wireless transmission**  
Support Cat1, 4G, Blue-tooth etc.
- **Multiple alarms**  
Audible, visual, and vibrative alarming signals  
With fall-down alarm function
- **Satellite positioning**  
Can be extended with dual module of GPS+Beidou



## USER VALUE

- **Integrated detection solution**  
Built-in sampling pump with a maximum 30-meter tube ensures detection accuracy  
No need for other accessories to meet multiple scenario applications  
Built-in lighting for easy use in low light environments
- **Easy-to-use and durable**  
No tools required for easy maintenance of UV lamp and sensors  
Automatic cleaning technology reduces maintenance time and cost  
Engineering enclosure with hard material, suitable for complex industrial applications  
IP66 protection level for easy cleaning  
Free selection of display units: ppm,  $\mu\text{mol/mol}$ , and  $\text{mg/m}^3$
- **Mature and reliable PID sensor technology**  
Automatic zero calibration
- **Cost-effective**  
Universal platform for easy future expansion  
Reduction of spare parts  
One year warranty

## APPLICATION

VC205 adopts a self-developed PID Photo Ionization sensor with a clever structure, convenient operation, and precise detection. It is suitable for petrochemical refining, Synthetic fiber manufacturing, gas leakage collection, environmental protection information detection and other scenarios.



## SPECIFICATIONS

Principle	PID photoionization	Transmission	Cat1, Blue-tooth (optional)
Sensor type	10.6eV	Ambient temp.	-20°C ~ +50°C
Gas sampling	Pumped	Humidity	<95%RH (no condensation)
Working method	Continuous monitoring	Battery type	DC3.7V rechargeable Lithium
Response time	T90<30s	Working time	≥16h (no alarming)
Error rate	<±3%	Ex type	Ex ib IIC T4 Gb
Detection range	0-5000ppm	IP class	IP66
Resolution	0.01ppm	Language	English and Chinese
Display unit	ppm, $\mu\text{mol/mol}$ or $\text{mg/m}^3$	Dimension	257.5 x 77.7 x 62.2mm
Lamp lifespan	> 10000 hours	Weight	About 890g
Data storage	Store once per minute, capable of continuously storing data for 24 months, with adjustable storage intervals		



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