



Hydrogen Detector



CBRN

Applications

- THydrogen energy industry chain
- Hydrogen energy vehicles
- Chemical industry
- Metallurgy industry
- Petroleum and petrochemical industry
- Large-scale power stations
- Important ports
- Semiconductor workshops
- Underground utility corridors
- Energy hubs
- Scientific research institutions
- Laboratories

Hydrogen Detector

This series of products is a high-precision hydrogen detection device based on surface acoustic waves. It can quickly and accurately monitor hydrogen concentration in the environment and output data in real time. The product features wide temperature and humidity adaptability, enabling stable operation in complex environments. With a lightweight and miniaturized design, the device supports both fixed installation and vehicle-mounted mobile deployment. It outputs PWM signals, facilitating quick integration into monitoring platforms.

Features

- Wide measurement range
Measurement range: 0-40 vol.%
- High safety
Surface acoustic wave measurement, safe and reliable
- Maintenance-free
- Output signal type: PWM
- Lightweight
- Miniaturized
- Wide voltage input: 12V (9~16V) DC
- Wide temperature operation: -35℃ ~ +85℃
- Wide humidity adaptability

Specifications

MODEL	RD160
Measurement Range	0-40 vol.%
Supply Voltage	12V DC (9-16V)
Output Signal Type	PWM
Data Collector Weight	160g
Power Cable Weight	100g
Dimensions	62mm (W) × 49.5mm (H) × 21mm (D)
Operating Temperature	-35℃ to +85℃
Storage Temperature	-40℃ to +105℃
Operating Humidity	98%(+25℃)
Storage Humidity	95%(+40℃)

