

# ACDM-Chem TVOC Detection Module



## Product Description

Our benzene series detection module utilizes photoionization gas detection technology based on a photoionization sensor (PID). This advanced technology ensures excellent anti-interference capabilities and high detection accuracy. The device complies with the national metrological verification regulations for benzene gas detectors, specifically JJF1674-2017. It is calibrated by the China National Institute of Metrology for BTEX detection, with calibration certificate HJqt2023-08909, ensuring reliable and precise performance in benzene detection applications.

## Performance Parameters

1. The sensitivity can reach  $0.01 \text{ mg/m}^3$ , which is better than the national standard for the concentration limit of benzene (the most toxic substance in gaseous benzene series) ( $0.03 \text{ mg/m}^3$ , the national standard has the most stringent requirements on the concentration of benzene)
2. Detection range:  $0\text{mg/m}^3 - 160\text{mg/m}^3$ , optional to add carbon monoxide
3. The default PID sensor is 10.0ev, and 10.6ev can be optionally added to detect VOC volatile organic compounds
4. Dimensions and weight:  $\leq 32 \times 80 \times 65\text{mm}$ ,  $\leq 180$

