

# Extractive Gas Detector - Bionics

## Self Diagnostic and Continuous



### Product Detail

- “Intelligent” sensor assembly permits quick and simple off-site calibration
- System Status
  - Disconnect sensor
  - Low sample flow
  - Filament failure (SH-1007GT)
  - Disconnect signal cable
- Same compact size for NF3, PFC detection

Monitoring Configuration	Continuous, Single-Point, Extractive	
Sensor Type	Electrochemical Cell	Combined Electrochemical Cell
Pyrolyzer	Not provided	Built-in
Analog Output	4~20 mA DC	
Indicator	Analog Display	
Installation Method	Indoor ~ Wall mount	
Operating Temperature	0~40 °C	
Operating Humidity	5 ~ 80% RH (non-condensing)	
Power Requirement	24VDC, 10W	
Dimensions (mm)	110(W) X 210(H) X 174(D)	
Weight	Approx. 4kg	

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### Sensors

These Gas Detectors are designed to set new standards in toxic gas monitoring.

Featuring a sophisticated electronic “brain” built directly into the sensor assembly, these well-proven continuous extractive detection systems significantly reduce the labour and downtime commonly associated with gas detector maintenance and service.

Equally important, they are specially engineered to permit high-density installation, packing up to 3 times as much monitoring into the same, compact footprint.

The instruments’ “smart” circuitry permits off-site calibration and maintenance of the sensor cell, significantly reducing the amount of time personnel must spend in restricted or sensitive areas. Plus, when used in conjunction with the Ampcontrol’s Controllers, system operation is almost totally self-supervised to provide quick and easy fault identification and notification.

The special electronic “brain” built directly into the sensor assembly of the sensors allows you to remove the sensor from the detector system for all routine calibration and maintenance.

This capability provides three important benefits:

1. Enhanced Calibration Accuracy  
Test gas generation and calibration procedures may now be performed under laboratory conditions.
2. Improved Safety  
No need to release potentially hazardous calibration gases in production, storage, or other areas.
3. Less Intrusive  
Significantly reduces the amount of time that service personnel must spend in limited or restricted access areas, such as in clean rooms.

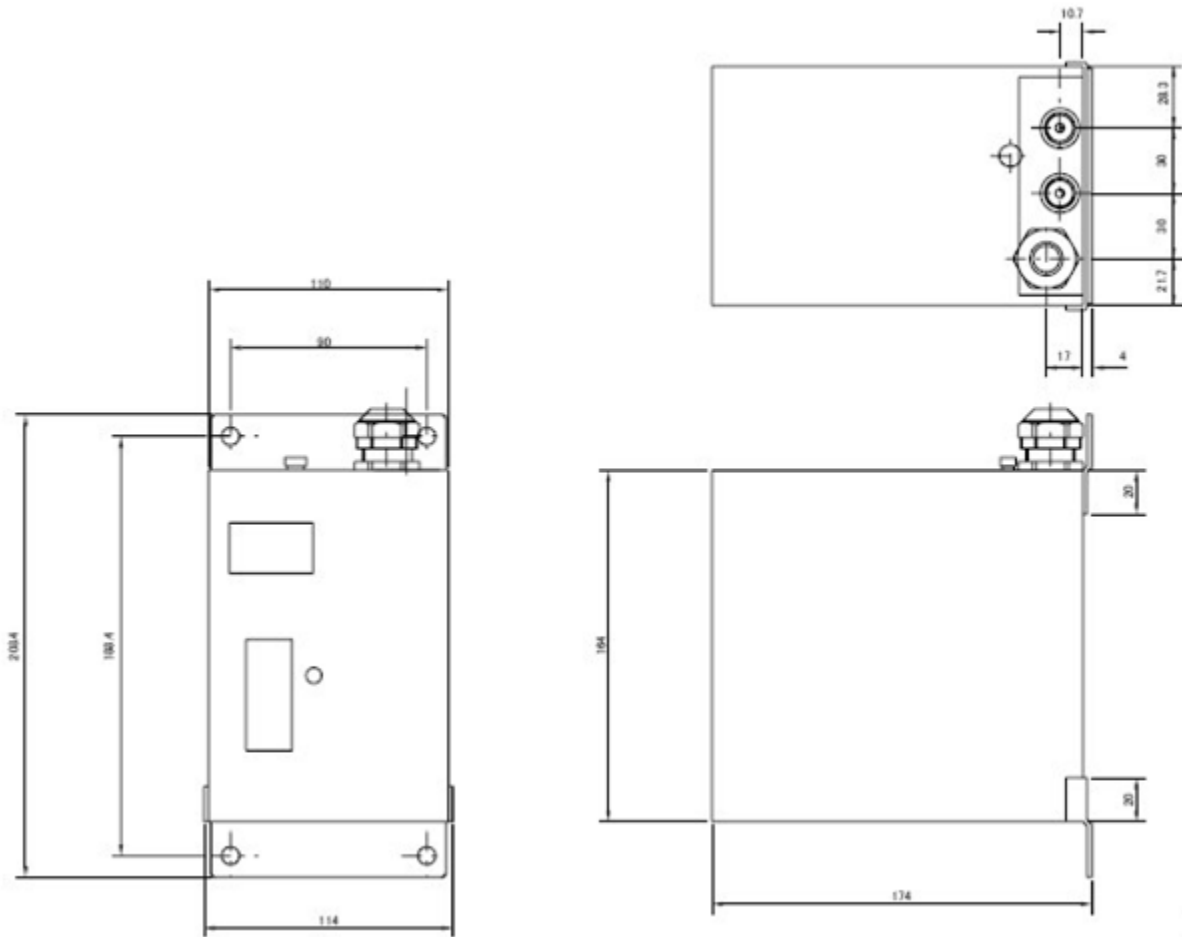
The electrochemical-based detection systems is capable of sampling areas up to 10 meters away.



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## Dimensions



Unit: mm