

**Ribble Enviro**  
*...everything gas detection*

# Data Sheet

[sales@ribble-enviro.co.uk](mailto:sales@ribble-enviro.co.uk)

+44(0)1200 445 804

[ribble-enviro.co.uk](http://ribble-enviro.co.uk)

Unit 4, Business Park, Gisburn, Clitheroe BB7 4JP

Company No: 06140589 VAT No: GB 906 6241 34

## Portable Multi-gas Detector GC310

-- SO<sub>2</sub>,NO<sub>2</sub>, H<sub>2</sub>S and NH<sub>3</sub>

### Introduction:

GC310 is a flexible portable gas detector for multi-gases(up to 4 gases) leak detection. It can be set with catalytic combustion sensor for combustible gas, electro-chemical sensors for toxic gases and oxygen. The normal gases detected are CO, H<sub>2</sub>S, O<sub>2</sub>, LEL (CH<sub>4</sub>) while it can be set to monitor other four gases, such as SO<sub>2</sub>,NO<sub>2</sub>, H<sub>2</sub>S and NH<sub>3</sub>.. GC310 has large LCD screen and two instant alarms with audio/visual and vibratory indicators, making it a favorite indicator for operators working in demanding industrial environments.



### Characteristics:

- ◆ Compact, small and lightweight design
- ◆ Two instant alarms with audio/visual and vibratory indicators
- ◆ Large easy to read display of emblems, instantaneous value, peak value, TWA and STEL.
- ◆ Self test function: Self-testing upon start up or need for display, battery, sensor and alarm
- ◆ Warning Indicator: regular flashing light and audible alarm.
- ◆ Up to 4 gases design

### Application:

- ◆ STEL and TWA monitoring;
- ◆ Atmosphere monitoring;
- ◆ Monitoring for cleanliness of environment;
- ◆ Petroleum and chemical plant;
- ◆ Entering of sealing space
- ◆ Quick respond for dangerous substance/ chemical weapon
- ◆ Industrial paints;
- ◆ Leakage detecting;
- ◆ IAQ monitoring of indoor air quality;
- ◆ Soil pollution monitoring

## Technical Index

Range	<ul style="list-style-type: none"> <li>◆ H2S: 0-100ppm</li> <li>◆ SO2: 0-20ppm</li> <li>◆ NO2: 0-20ppm</li> <li>◆ NH3: 0-100ppm</li> </ul>
Calibration	Automatical calibration and zero
Sensor	Original electrochemical sensor (with temperature compensation)
Responding Time	T90 < 30s
Audio-visual Alarm	Flashing wide-angled LED alarm light and LCD reading; 90dB impulse output
Display	LCD display of gas reading and condition, display TWA and peak value when needed
Operating & Storage Environment	-20—50℃、5—90%RH(no condensation)
Power Supply	3.6V Li-ion chargeable battery can work 200 hours
Enclosure	compact , durable ruggedised ABS shell
Size & Weight	126×66×32 (mm) ,220g
Explosion protective Grade	EX ib II CT3

Henan Chicheng Electric CO.,LTD

NO.11 National University Science Technology Park, New High-tech District, Zhengzhou Henan Province China  
[www.cce-china.com](http://www.cce-china.com) [cce@cce-china.com](mailto:cce@cce-china.com) 86-371-86621122

Gas Detected	Range	Accuracy( FS)	Life of the sensor
Flammable gas	0~100% LEL	$\leq \pm 0.5\%$	3~5 years
O <sub>2</sub>	0~30% VOL	$\leq \pm 0.5\%$	2~3 years
CO	0~1000ppm	$\leq \pm 5\%$	2~3 years
SO <sub>2</sub>	0~20ppm	$\leq \pm 5\%$	2~3 years
NO <sub>2</sub>	0~20ppm	$\leq \pm 5\%$	2~3 years
CL <sub>2</sub>	0~20ppm	$\leq \pm 5\%$	2~3 years
H <sub>2</sub> S	0~200ppm	$\leq \pm 5\%$	2~3 years
NH <sub>3</sub>	0~200ppm	$\leq \pm 5\%$	2~3 years
H <sub>2</sub>	0~1000ppm	$\leq \pm 5\%$	2~3 years
O <sub>3</sub>	0~5ppm	$\leq \pm 5\%$	2~3 years
NO	0~100ppm	$\leq \pm 5\%$	2~3 years
HCL	0~50ppm	$\leq \pm 5\%$	2~3 years
PH <sub>3</sub>	0~20ppm	$\leq \pm 5\%$	2~3 years
CH <sub>3</sub> OH	0~100ppm	$\leq \pm 5\%$	2~3 years
C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub>	0~20ppm	$\leq \pm 5\%$	2~3 years

Please contact our company for other gases and parameters