

The PG810 can detect up to 4 different kinds of gases simultaneously.

It can be configured with a wide range of sensors to suit many applications including flammable/explosive, toxic & volatile organic compounds.

The PG810 utilises a range of sensor technologies such as Infra-red, Cat-Ex, EC & PID.

The PG810's lithium battery can go 15-20 hours\* before requiring a recharge from its mini-usb charging lead, it can be charged almost anywhere.

The PG810 is compact and light, weighing in at only 300g with dimensions of 150mm x 85mm x 46mm.

Realtime TWA/STEL monitoring, audible, visual and vibration alarms.

IP66 protection and compliant to EN60079



\* average for Cat-EX, O2, CO, H2S unit

# PG810

*Multi-Gas Portable Monitor*



- ✓ Instant, TWA & STEL Alarms
- ✓ Downloadable Datalogging
- ✓ Audible, Visual & Vibration Alarms
- ✓ Clear Colour LCD display
- ✓ Many sensor configurations
- ✓ Locally service & support
- ✓ Mini USB charging point

**Call: 1300 886 477**

**Order Online: [mss-safety.com.au](http://mss-safety.com.au)**

PG810 Portable Gas Detector Version: 1.4



## Sensors & Performance

Model	Sensor	Range	Resolution	Av Response	Expected Life
PG810-EX-IR	Combustible Gas	0-100%LEL	1%LEL	<20s	
PG810-EX	Combustible Gas	0-100%LEL	1%LEL	<30s	3-5 yrs
PG810-CO	Carbon Monoxide	0-1000ppm	1ppm	<20s	2-3 yrs
PG810-O2	Oxygen	0-30%VOL	0.1%VOL	<20s	2-3 yrs
PG810-H2S	Hydrogen Sulphide	0-100ppm	1ppm	<30s	2-3 yrs
PG810-H2	Hydrogen	0-1000ppm	1ppm	<30s	2-3 yrs
PG810-CL2	Chlorine	0-20ppm	0.1ppm	<30s	2-3 yrs
PG810-NH3	Ammonia	0-100ppm	1ppm	<30s	2-3 yrs
PG810-O3	Ozone	0-5ppm 0-100ppm	0.1ppm 1ppm	<30s	2-3 yrs
PG810-SO2	Sulphu Dioxide	0-20ppm	0.1ppm	<30s	2-3 yrs
PG810-NO	Nitric Oxide	0-250ppm	1ppm	<30s	2-3 yrs
PG810-NO2	Nitrogen Dioxide	0-20ppm	0.1ppm	<30s	2-3 yrs
PG810-CH2O	Formaldehyde	0-10ppm	0.1ppm	<30s	2-3 yrs
PG810-HCL	Hydrogen Chloride	0-20ppm	0.1ppm	<30s	2-3 yrs
PG810-HCN	Hydrogen Cyanide	0-20ppm	0.1ppm	<30s	2-3 yrs
PG810-ETO	Ethylene Oxide	0-100ppm	1ppm	<30s	2-3 yrs
PG810-CLO2	Chlorine Dioxide	0-10ppm	0.1ppm	<30s	2-3 yrs
PG810-CH4	Methane	0-5%VOL 0-100%VOL	1%VOL 3%VOL	<30s	2-3 yrs
PG810-CO2-IR	Carbon Dioxide	0-5%VOL 0-5000ppm	0.01%VOL 1ppm	<30s	<5 yrs
PG810-C2H4	Ethylene	0-200ppm	0.1ppm	<30s	2-3 yrs
PG810-VOC	Volatile Organics	0-50ppm	0.1ppm	<30s	2-3 yrs
Other	On request				

## Technical Parameters

<b>Detecting Method</b>	Diffusion
<b>Deviation</b>	≥± 3% FS
<b>Response Time</b>	T90 < 30s
<b>Working Temp</b>	-20°C - +55°C
<b>Working Humidity</b>	15-90%R.H (no condensation)
<b>Working Pressure</b>	80-120kPa

## Approvals

EN60079-0 2006  
EN60079-11 2007  
EN60079-26 2007



II 1 G Ex ia IIC T4 Ga

EC-Type Examination Certificate Number: KEMA 06ATEX0056

**CERTIFICATE**  
**EC-Type Examination**

(1) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

(2) EC-Type Examination Certificate Number: KEMA 06ATEX0056 Issue Number: 6

(3) Equipment: Portable Gas Detector  
Model: PG810, PG810, XG5000

(4) Manufacturer: Hesen Info Electrical Equipment Co., Ltd

(5) Address: 388 Ruida Road, Hi-Tech District, Zhengzhou, China

(6) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(7) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements, relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex I to the directive.

The examination and test results are recorded in confidential test report number 2006445.

(8) Compliance with the Essential Health and Safety Requirements has been assessed by conformance with:  
EN 60079-0: 2006      EN 60079-11: 2007      EN 60079-26: 2007

(9) If the sign "C" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(10) This EC-Type Examination Certificate relates only to the design, construction and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of that directive apply to the manufacturing process and supply of the equipment. These are not covered by this certificate.

(11) The marking of the equipment shall include the following:  
 II 1 G Ex ia IIC T4 Ga

(12) This certificate is issued on January 14, 2011 and, as far as applicable, shall be valid before the date of cessation of preservation of conformity of use until the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.  
C.G. van den Ex  
Certification Manager

\* Integral publication of the certificate and signing reports is allowed. This Certificate may only be reproduced in its entirety and without any change.

All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

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T +31 26 38 2000 F +31 26 3 52 60 www.dekra-certification.com Registered Number: 0900209

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