



The Canary II Personal Gas Monitor from Scott/Bacharach builds on the success of the original Canary monitor. A cost effective design for applications where protection against a single toxic or flammable gas is required, Canary II is available in a range of models to monitor different gases including toxic, flammables and oxygen. Highly visible and audible alarms warn the wearer quickly of dangerous gas levels. Data is also recorded by the monitor for subsequent collection via a Windows TM compatible PC interface. Because Canary II has been designed to be intrinsically safe, it can be used in potentially explosive situations with absolute confidence. Applications for Canary II include workers in gas and water utilities: foundrymen; oil rig and petrochemical workers and anyone who has to enter confined spaces. In these situations the Canary II Personal Gas Monitor can be relied upon to protect personnel.

Compact and lightweight

- Comfortable to wear all day in pocket or on belt.

Detects toxic or flammable gases

- Intrinsically safe for use in hazardous areas.

Highly visible and audible alarms:

- Intrinsically safe for use in hazardous areas.
- Piercing 85dBa siren
- Intense red flashing lights
- Confidence 'blip' confirms safe working conditions
- Fully adjustable alarm trigger levels
- Time weighted average alarm facility for 15 min and 8 hour exposure levels.

Rugged casing:

- Triax TM casing will not break, crack or shatter
- Water and dust resistant to IP66 standard
- Optional rubber boot available for particularly harsh environments.

Easy and safe to use:

- Double-action 'off button' prevents accidental deactivation
- Front panel calibration/zero controls
- One year dry cell life for toxic and oxygen models.

Comprehensive PC Interface:

- Windows TM compatible
- Custom software for simple instrument configuration and data collection

Specifications

Weight: 210 g (7.5 ounces), including batteries
Dimensions: 130h x 60 w x 30 d mm (5.1h x 2.4w x 1.2d inches)
Typical measuring ranges and alarm settings:

	Range	Alarm
Methane _____	0-100% LEL	20% LEL
Sulfur dioxide _____	0-10 ppm	2 ppm
Chlorine _____	0-5 ppm	0.5 ppm
Nitrogen dioxide _____	0-10 ppm	2 ppm
Phosphine _____	0-5 ppm	0.5 ppm
Ammonia _____	0-50 ppm	25 ppm
Hydrogen cyanide _____	0-25 ppm	10 ppm
Hydrogen (non-flammable level) _____	0-999 ppm	100 ppm

Other toxic gas ranges available soon

Typical response timeT90:

Methane 20 seconds
Typical toxic gas 20 seconds

Expected sensor life:

Flammable 5 years
Toxic 3 years

Audible alarms:

85dBA at 1 m, selectable tones
Confidence blip (selectable)
Triple beep every 10 seconds for discharged battery

Visible indications:

Ultra bright flashing LED pair
Display indicates alarm types

Display:

7segment high contrast LCD.
10 mm character height, with backlight
Symbols for Peak hold, Low battery, Zero mode.
Calibration mode, Alarm 1, Alarm 2, 15 min TWA, 8 hr TWA

Datalogging:

Adjustable sample rate
30-3000 hours @ 1 min sample rate
(depending on gas concentration)

Battery life:

(3 AA alkaline)
Toxic gas models 3000 hrs (12 months normal intermittent use)
Flammable gas models (Nickel metal hydride rechargeable)
12 hours battery life (16 hours recharge time)
8 hours battery life (11 hours recharge time)

Operating Temp. range:

-20C to +50C (-4F to +122F)

Humidity

Approval codes:

0-95% RH non condensing
Europe: Eex ia (d) IIC T3/4
USA & Canada: Class 1 Division 1, Groups A,B,C,D

Standards:

Europe: EN50014, EN50018, EN50020
USA & Canada: UL913

Ingress protection:

RF radiation:

RF/ESD immunity:

IP66
EN50081-2
EN50082-2

Accessories

- Combined belt and pocket clip
- Rubber boot
- Calibration adapter/aspirator
- Earpiece
- Charger/comms interface unit
- Multi-way charger

Instructions

1. Single press of large button turns instrument on.
2. Clear LCD display gives gas values and instrument status.
3. Peak values can be toggled on and off with the small button.
4. Small and large button must be depressed together to turn the instrument off.

User Adjustments

With the instrument turned of:

1. Small button is used to scroll through zero, calibrate, alarm 1, alarm 2, STEL and LTEL options.
2. Adjustable control knob beneath the captive cover alters the display values.

Represented by:



SCOTT/BACHARACH
Gas Detection Products