

# *Infrared CO<sub>2</sub> detector*

■ ■ ■ *Measurement by Infra Red Cell*

■ ■ ■ *Ergonomic and Optimised Weight*

■ ■ ■ *User Friendly Display*

■ ■ ■ *Long Service Life*

■ ■ ■ *Easy to use*

**C 1100**



CE

**OLDHAM**  
Group

*Gas detection / stack gas monitoring*

Naturally present in low quantities in the atmosphere, Carbon Dioxide remains a genuine potential risk for the confined, industrial and tertiary environments. People are particularly confronted with it in sewers, tunnels, abattoirs, food-processing industries, greenhouses, wine-making or maturing cellars etc... Light, ergonomic, high performance and with a long life battery, the C 1100 pocket gas detectors allows people to work freely and move about without any risk..

## Technical features which meet all applications

### A high technology

The C 1100 is equipped of an infra-red cell which provides reliable, accurate and stable CO<sub>2</sub> measurement.

### Optimised size and weight

- Small & compact
- Light

### User friendly display

- Large LCD display
- Simultaneous and continuous display of two CO<sub>2</sub> measurements :
  - current concentration
  - 8h TWA value average
- Battery & sensor status indication

### Adapted features

- A single push-button to activate and access main menu
- 12h battery life
- Automatic self-diagnostic

### Controlled environment

- Simultaneous display of the current concentration and the TWA value
- Recording of the data
- Data transfer to a PC for working with the sample and to calibrate the detector

### Safety alarm

- 80 db audible alarm
- Visual alarm on a 5 step LED bar graph (green, yellow and red) displaying the hazard level

### Accessories

- Communication cable
- Battery charger : car (12v) and alternative (in 230 VAC-out 12VCC),
- Replacement battery
- Extra protection casing

## Technical characteristics

Function :	• CO <sub>2</sub> detector
Type :	• C 1100
Measurement Range :	• 0-3 % vol. - 3-10 % vol.
Type of cell :	• Infra-red
Response Time :	• 15 sec (at 0.2 litre/min)
Accuracy :	• ± 3 % of reading or ± 0.02 % vol
Display :	• Numerical LCD • Simultaneous display of CO <sub>2</sub> measurement : - current concentration in % vol. - 8 h TWA value in % vol.
Alarms :	• Battery status indication, sensor status indication • Audible : 80 dB buzzer • Visual : 5 step bar graph LEDs (green-yellow-red) each step in the lighting up of LEDs indicates the hazard level
Self-diagnostics :	• Sensor • Autonomy • Electronics

Power supply :	• Li-ion accumulator (3.6 VDC / 1350 mAh)
Battery charger :	• 6 VDC/700 mAh
Battery life :	• 12 hours
Operating temperature range :	• 0° to +50° C
Storage temperature range :	• -20° to +70° C
Service life :	• 15 years
Dimensions :	• 125 x 52 x 32 mm
Weight :	• 135 g
Digital interface :	• USB cable, UART-RS232
UIP-P software :	• Transfer and save data • Configuration of alarms and LED • User preferences • Sensor calibration





**SENSOREX OY**  
 Maskuntie 2  
 21110 NAANTALI  
 FINLAND  
 Tel. +358 2 4340750  
 Fax. +358 2 4350643  
 Internet: www.sensorex.fi  
 email: sensorex@sensorex.fi

Your agent or retailer

**C 1100**



Plant and head office : Z.I. Est - rue Orfila  
 B.P. 417 - 62 027 ARRAS Cedex FRANCE  
 Tel. : 33 3 21 60 80 80 Fax : 33 3 21 60 80 00  
 Web site: <http://www.oldhamgas.com>

Winter- Oldham group  
 German plant  
 ☎ (49) 231 924 10  
 ☎ (49) 231 924 125  
[info@winter-gmbh.com](mailto:info@winter-gmbh.com)

OLDHAM  
 Belgium  
 ☎ (33) 03 21 60 81 20  
 ☎ (33) 03 21 60 81 02  
[oldham.belgium@oldham.fr](mailto:oldham.belgium@oldham.fr)

OLDHAM  
 Italia  
 ☎ 011-3801371  
 ☎ 011-3806613  
[info@oldham.it](mailto:info@oldham.it)

OLDHAM  
 Česká Republica  
 ☎ 420 234 622 222/3  
 ☎ 420 234 622 220  
[oldham@oldham.cz](mailto:oldham@oldham.cz)

OLDHAM  
 Romania  
 ☎ / ☎  
 (40) 21 312 37 56  
[oldham@fx.ro](mailto:oldham@fx.ro)

OLDHAM  
 Switzerland  
 ☎ (41) 26 652 51 18  
 ☎ (41) 26 652 51 19  
[info@oldham.ch](mailto:info@oldham.ch)

OLDHAM  
 United Kingdom  
 ☎ (44) 0 1782 562002  
 ☎ (44) 0 1782 564414  
[sales@oldham.biz](mailto:sales@oldham.biz)