



SCHAUBURG

Electronic Technologies

Observer

The next generation in compact light weight hand-held gas monitors

Features include:

- Up to 5 gases monitoring and alarm;
- Unique RF Data transmission enables remote gas monitoring
- Weighs 580g
- Up to 12hrs battery life;
- Audio alarm and flashing LED's



Sensor

Display

06/08/R

Harnessing technology for safer working environments



SCHAUENBURG

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Observer-Technical Data

- The design enables spatial separation of the instrument into two parts -
 - a SENSING unit
 - a DISPLAY unit
- There is no electrical interconnection between the two units, both halves are locked and held by two pairs of strong magnets. Data is exchanged via a radio frequency communication link
- Communication between the two units is up to 10m (line of sight), but may vary due to underground conditions, and local legislation
- Operates fully without being separated
- Automatic self-diagnostics of battery, sensors and electronics
- All data is stored on board and can be downloaded via an IR channel

housed in the Charger

- Preset alarm levels for audio alarm on display unit, and LED's flashing on both units
- 12 Hours of continuous and simultaneous measuring

- Well protected against dust, moisture and shock
- Rugged polycarbonate housing
- The OBSERVER is carried in a purpose made carry bag fitted with belt clip and strap



The OBSERVER offers remote measuring for light and heavy gases in mining tunnelling and other confined space operations -

- Split the OBSERVER by applying a longitude force of about 3 kg;
- The SENSING unit can be lifted or lowered to the required level, when gas levels can be read remotely on the DISPLAY unit.

SPECIFICATIONS

General

Communication	RF link up to 10m line of sight
Operational time	> than 12 hours
Dimensions	147 x 83 x 45 (mm)
Weight	580 g
Display	Graphic LCD
Warranty	* 1 (one) year on all electronic parts and workmanship * 6 (six) months on sensors fitted by OEM * 6 (six) months on battery pack if charged in accordance with OEM instructions



Gas Type

Sensors and measuring range

Measuring principal

Calibration gases

Response time T90

Resolution

Long term drift

Max relative humidity

Min & max pressure

Flammable

CH4 = 0 to 100% LEL
or CH4 = 0 to 100% by volume

Catalytic Combustion

% = < 50% full-scale

< 15 seconds

0.1 %

± 0.1%

95% Non condensing

-10 KPA to +50 KPA

Toxic

Up to 3 sensors

CO = 0 to 500 ppm

H2S = 0 to 100 ppm

Electro-chemical

ppm = 100-400

< 35 seconds

1 ppm

2% F.S / month

Ambient ± 10%

Oxygen

O2 = 0 to 25 % by volume

Electro-chemical

Fresh or compressed

< 15 seconds

0.1%

2 % F.S / month

Ambient ± 10%

Schauenburg Flexadux (Pty) Ltd

telephone: +27 (011) 974 0006
fax: +27 (011) 974 0077
email: sales@schauenburg.co.za
web: www.schauenburg.co.za

24/26 Spartan Road
Aeroport Ext. 21
Spartan
1619
South Africa

PO Box 145
Isando
1600
South Africa

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Designed and marketed by:
Schauenburg Electronic Technologies
www.schauenburg.com