

# SENSIT<sup>®</sup> P100

SINGLE GAS PERSONAL MONITOR



Intrinsically Safe Design

One Button Operation

Easy Field Calibration

Audible, Visual & Vibration Alarms



**MADE IN THE USA**  
WITH GLOBALLY SOURCED COMPONENTS

**SENSIT**  
Technologies

Innovative Detection Solutions

[www.gasleaksensors.com](http://www.gasleaksensors.com)

# SENSIT<sup>®</sup> P100

**Single gas personal monitor designed to warn the user of hazardous gases in their working environment.**

**SENSIT<sup>®</sup> P100** is an exceptionally rugged personal gas monitor available in single gas configurations

**SENSIT<sup>®</sup> P100** raises the bar in durability. The housing is constructed of durable ABS plastic and shock absorbing material to protect the instrument from the rigors of field use. The instrument is sealed to maintain the integrity of the IP65 rating.

**SENSIT<sup>®</sup> P100** offers a very simple two button operation for power, zeroing and performing calibration. Multiple LED's beneath the frosted area create a very bright warning even in bright sunlight.

Calibration is easy to complete manually or with the SCAL-100 calibration station.

**SENSIT<sup>®</sup> P100** is

- Accurate
- Durable
- Easy to Use
- Easy to Maintain



## Available Sensors

- Hydrogen Sulfide (H2S)
- Hydrogen Cyanide (HCN)
- Oxygen (O2)
- Carbon Monoxide (CO)
- Sulfur Dioxide (SO2)

## Standard Features

- Intrinsically Safe Design (Certified)
- One Button Operation
- Audible Alarm
- Visual Alarm
- Vibration Alarm
- STEL and TWA Alarms
- Alarm Event Memory
- Easy Field Calibration
- 2-Year Operation
- Refurbish Program Available After 2-years Of Operation
- Limited 2-Year Warranty (Including Sensor)
- Extended Warranty Available
- For use with SCAL-100 Test Stations



#### TO OPERATE:

1. Press Power
2. Wait 30 Seconds for Automatic Zeroing
3. Begin to Use

Patented

#### SENSOR SPECIFICATIONS

##### TYPE RESOLUTION RANGE

O <sub>2</sub>	0.1%	25%
CO*	1ppm	0-999*
H <sub>2</sub> S	1ppm	0-100
HCN	0.1ppm	0-30
SO <sub>2</sub>	0.1ppm	0-20

#### \*CO Extended Display Option:

Detection Range:  
0ppm - .2% Volume  
(2000ppm equivalent)

Resolution:  
1ppm for 0 – 999ppm  
01% Volume for 1000ppm – 2000ppm

#### PRODUCT SPECIFICATIONS

Size:	3.81" x 2.31" x 0.8" (9.67 x 5.87 x 2 cm)
Weight:	3.6 oz. (105 g)
Operational Temp:	-4 to 104 F (-20 to 40° C)
Humidity:	15-90% RH (Non-condensing)
Power Source:	3.6V Lithium Battery
Battery Life:	2+ Years



#### STANDARD KIT

Belt Clip  
Instruction Manual

#### KIT OPTIONS

Bump Test Station  
Calibration Kit

#### OPTIONAL FEATURES

"Always On" Mode  
Infrared Communication

\*CO Extended Display Option:

Detection Range: 0ppm - .2% Volume (2000ppm equivalent)

Resolution: 1ppm for 0 – 999ppm  
01% Volume for 1000ppm – 2000ppm

3-Year Operation

#### Approvals



Class 1, Groups A, B, C, & D  
Ex ia  
Temp code: T4

CE 2812 Ex II 1 G

Ex ia IIC T4 (-20°C ≤ T<sub>amb</sub> ≤ 50°C)

AEx ia IIC T4 (-20°C ≤ T<sub>amb</sub> ≤ 50°C)  
IP65

ATEX Cert. No.: TRAC 09 ATEX 11195X  
EMC Directive (2004/108/EC)  
EN 61000-4-2:1995, EN 61000-4-3:2002,  
EN 55011:2007

## SENSIT® P100 Instruments

Carbon Monoxide	P100 CO with 2 Year Warranty Part # 912-00000-03
Carbon Monoxide	P100 CO with 3 Year Warranty Part # 912-00000-18
Carbon Monoxide	P100 CO with 4 Year Warranty Part # 912-00000-04
Hydrogen Sulfide	P100 H2S with 2 Year Warranty Part # 912-00000-05
Hydrogen Sulfide	P100 H2S with 3 Year Warranty Part # 912-00000-17
Hydrogen Sulfide	P100 H2S with 4 Year Warranty Part # 912-00000-06
Hydrogen Cyanide	P100 HCN with 2 Year Warranty Part # 912-00000-07
Hydrogen Cyanide	P100 HCN with 4 Year Warranty Part # 912-00000-08
Oxygen	P100 O2 with 2 Year Warranty Part # 912-00000-13
Oxygen	P100 O2 with 4 Year Warranty Part # 912-00000-14
Sulfur Dioxide	P100 SO2 with 2 Year Warranty Part # 912-00000-15
Sulfur Dioxide	P100 SO2 with 4 Year Warranty Part # 912-00000-16

## SENSIT® P100 Manual Calibration Kits

Sensit P100 CO Calibration Kit (34 liter 100ppm CO) Part # 881-00051
Sensit P100 H2S Calibration Kit (34 liter 25ppm H2S) Part # 881-00052
Sensit P100 HCN Calibration Kit (34 liter 10ppm HCN) Part # 881-00053
Sensit P100 Nitrogen Dioxide Calibration Kit (10ppm) Part # 881-00055
Sensit P100 Sulfur Dioxide Calibration Kit (10ppm) Part # 881-00056

## Replacement Cylinders

34 liter 100ppm CO/Air Part # 315-100001
34 liter 25ppm H2S/Air Part # 315-100007
34 liter 10ppm HCN/Nitrogen Part # 315-100006
34 liter 10ppm Nitrogen Dioxide/bal N2 Part # 315-100005
34 liter 10ppm Sulfur Dioxide/bal Air Part # 315-100002

Contact SENSIT for additional options and information.



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SENSIT Technologies  
is an ISO 9001:2015 certified company.



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