

# SENSIT® P400

MULTI GAS PERSONAL MONITOR



Displays Up To 5 Gases

Intrinsically Safe Design

Audible, Visual & Vibration Alarms

Low Cost, Long Life Sensors

# SENSIT® P400

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

**SENSIT® P400** is a state-of-the-art personal gas monitor used to alert users of hazardous gases in their work area.

**SENSIT® P400** raises the bar in durability. The housing is made of a field-proven polycarbonate with a permanent rubber-like protective outer covering.

**SENSIT® P400** offers a user-friendly design, a large graphic display and 3 types of alarms; audible, visual and vibration.

Calibration is easy to complete manually.

## IDS - Immediate Detection System

When hazardous gas levels are on the rise, this optional tick style feature begins before the alarm level.

## SENSIT® P400 is

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



## Displays Up To 5 Gases Simultaneously

### Available Sensors

- Combustible Gases %LEL
- Oxygen (O<sub>2</sub>)
- Carbon Monoxide (CO)
- Hydrogen Sulfide (H<sub>2</sub>S)
- Hydrogen Cyanide (HCN)
- Nitrogen Dioxide (NO<sub>2</sub>)
- Sulfur Dioxide (SO<sub>2</sub>)

### Standard Features

- Extremely Rugged
- Intrinsically Safe Design
- Lowest Cost, Long Life Sensors
- Audible Alarm - 3 Tone
- Visual Alarm - 270° View
- Vibration Alarm
- STEL and TWA Alarms
- Compliance/Status Indicator
- Data Logging
- Easy Field Calibration
- Easy Clean Dust Pre-Filter
- Easy-Access Reusable Dust Filter
- Alkaline and/or NiMH Battery
- Limited 2-Year Warranty (Including Sensors)
- Extended Warranty Available



Patented

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

## SENSOR SPECIFICATIONS

TYPE	RESOLUTION	RANGE	ACCURACY	RESPONSE T90 TIMES
LEL	0.1%	0-100	±10%	< 10 Sec
O2	0.1%	25%	±2% or 10%**	< 10 Sec
CO	1ppm	0-999*	±5ppm or 10%**	< 10 Sec
H2S	1ppm	0-100	±2ppm or 10%**	< 20 Sec
HCN	0.1ppm	0-30	±1ppm or 10%**	< 20 Sec
NO <sub>2</sub>	1ppm	0-250	±2ppm or 10%**	< 20 Sec
PH <sub>3</sub>	0.1ppm	0-10	±1ppm or 10%**	< 20 Sec
SO <sub>2</sub>	0.1ppm	0-20	±1ppm or 10%**	< 20 Sec
ETO	0.1ppm	0-10	±1ppm or 10%**	< 20 Sec

\*CO Extended Range Available 0ppm - 1999ppm.

\*\* Whichever is greater

## PRODUCT SPECIFICATIONS

Size:	5.2" x 3.2" x 1.7" (13.2 x 8.1 x 4.0 cm)
Weight:	12 oz. (340 g)
Operational Temp:	-4 to 122 F (-20 to 50° C)
Humidity:	10-90% RH (Non-condensing)
Power Source:	4 "AA" Alkaline or NiMH Recharger Pack
Battery Life:	24 Hr. Alkaline or 15 Hr. NiMH
Typical Response Time:	Initial < 2 Sec      T90 <10 Sec (LEL)
Sound:	98db @ 15cm



## STANDARD KIT

Belt Clip  
 Instruction Manual  
 Calibration Adapter  
 Dust Pre-Filter  
 Alkaline Batteries

## KIT OPTIONS

Confined-Space Entry Kit  
 Calibration Station  
 Calibration Kit  
 Recharger Battery Pack

## OPTIONAL FEATURES

Immediate Detection System (IDS) Pre-Alarm Indicator

High Performance Motorized Sample Pump with Filter and 10ft. Tubing and Probe. Samples up to 100ft.

Remote Sample Draw Assembly Aspirator with 10ft. Tubing and Probe

Serial Communication

Stainless Steel Clip

\*CO Extended Display Option:  
 Detection Range: 0ppm - 1999ppm

## Approvals



For Class 1, Division 1, Groups A, B, C and D Hazardous locations when used with approved alkaline batteries or rechargeable battery pack.

IP65

Temp code: T4, -20° C to 50° C

**CE 2812 Ex II 2 G**

Ex d ia IIC T4, Gb, IP65  
 -20° C to 50° C  
 DEMKO 12 ATEX 1102012

Patented  
 Patent Number 9,024,756

## SENSIT® P400 (No Pump)

LEL	Part # 923-00000-10
LEL/O2	Part # 923-00000-20
LEL/CO/O2	Part # 923-00000-30
LEL/CO/O2/H2S	Part # 923-00000-40
LEL/CO/O2/H2S/HCN	Part # 923-00000-53

Contact SENSIT for other gas sensors.

## SENSIT® P400 (With Pump)

LEL	Part # 925-00000-10
LEL/O2	Part # 925-00000-20
LEL/CO/O2	Part # 925-00000-30
LEL/CO/O2/H2S	Part # 925-00000-40
LEL/CO/O2/H2S/HCN	Part # 925-00000-53

Contact SENSIT for other gas sensors.

## SENSIT® P400 Standard Kit Replacement Parts

Motorized Pump Kit (No Tubing or Probe)	Part # 870-00037
External Filter Assembly	Part # 360-00301
Dust Pre-Filter	Part # 320-00047
3/32 Hex x #1 Phillips Tool	Part # 360-00303
Belt Clip with Screw	Part # 870-00043
Instruction Manual	Part # 750-00050

## SENSIT® P400 Manual Calibration Kits\*\*

3 Gas Calibration Kit WITH CASE (LEL/CO/O2) 34 liter 3 Gas Mix (2.5% CH4/100ppm CO/18.2% O2) Regulator Porta, Hose Assembly & Case	Part # 881-00089
3 Gas Calibration Kit NO CASE (LEL/CO/O2) 34 liter 3 Gas Mix (2.5% CH4/100ppm CO/18.2% O2) Regulator Porta, Hose Assembly	Part # 881-00082
4 Gas Calibration Kit WITH CASE (LEL/CO/O2/H2S) 34 liter Quad Mix (2.5% CH4/100ppm CO/18.2% O2/25ppm H2S) Regulator Porta, Hose Assembly & Case	Part # 881-00084
4 Gas Calibration Kit NO CASE (LEL/CO/O2/H2S) 34 liter Quad Mix (2.5% CH4/100ppm CO/18.2% O2/25ppm H2S) Regulator Porta, Hose Assembly	Part # 881-00086

5 Gas Calibration Kit WITH CASE (LEL/CO/H2S/O2/HCN) 34 liter Quad Mix (2.5% CH4/100ppm CO/18.2% O2/25ppm H2S) 34 Liter 10ppm HCN, Regulator Porta, Hose Assembly & Case	Part # 881-00085
5 Gas Calibration Kit NO CASE (LEL/CO/H2S/O2/HCN) 34 liter Quad Mix (2.5% CH4/100ppm CO/18.2% O2/25ppm H2S) 34 Liter 10ppm HCN, Regulator Porta, Hose Assembly	Part # 881-00087

## Replacement Cylinders

3 Gas (LEL/CO/O2) 34 liter 3 Gas Mix (2.5% CH4/100ppm CO/18.2% O2)	Part # 315-100013
4 Gas (LEL/CO/O2/H2S) 34 liter Quad Mix (2.5% CH4/100ppm CO/18.2% O2/25ppm H2S)	Part # 315-100011
Hydrogen Cyanide (10ppm HCN) (34 Liter)	Part # 315-100006

\*\*Contact SENSIT for calibration kits.

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