

# SENSIT<sup>®</sup> P400

MULTI GAS PERSONAL MONITOR



Displays Up To 5 Gases

Intrinsically Safe Design

Audible, Visual & Vibration Alarms

Low Cost, Long Life Sensors

# SENSIT<sup>®</sup> P400

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

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

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

**SENSIT<sup>®</sup> 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<sup>®</sup> 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



- COMPLIANCE/  
STATUS INDICATOR
- ALARM LEDs
- SENSOR AREA
- SENSOR FILTER
- FUNCTION BUTTONS
- SOUNDER
- GRAPHIC DISPLAY w/BACK LIGHT
- BELT CLIP (ON BACK)

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

Patented



**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

**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**

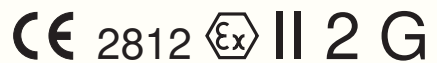
- Size: 5.2" x 3.2" x 1.7" (13.2 x 8.1 x 4.0 cm)
- Weight: 12 oz. (340 g)
- Operational Temp: -4 to 122 F (-20 to 50° C)
- Humidity: 10-90% RH (Non-condensing)
- Power Source: 4 "AA" Alkaline or NiMH Recharger Pack
- Battery Life: 24 Hr. Alkaline or 15 Hr. NiMH
- Typical Response Time: Initial < 2 Sec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

**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



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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