

Mini-SA

Portable Single Gas Monitor

SCOTT
INSTRUMENTS



Big Features in a Small Package

The Mini-SA is a superior cost-effective gas detection instrument, and an effective tool for protecting personnel from a variety of airborne hazardous gases. It's rugged take-anywhere design is easy to use and requires only minimal maintenance.

The Intelligence is in the Design.

Gloved hands, low light conditions, and respirator equipment won't interfere when your people are equipped with the Mini-SA Personal Gas Monitor. Scott Instruments engineers have combined simplicity and functionality in a feather-light package with big easy-find buttons and the largest backlit display in the industry. This unique display provides large screen lettering allowing STEL, TWA, and gas concentration to be viewed at-a-glance, even under low light conditions.

Operation of the Mini-SA is made easy with the intuitive plain-English menu prompts. Users move through various functions, such as the adjustable alarm setpoints, without the need to memorize push-button sequences or complicated programming procedures.

Don't Worry - Take it with you.

The impact resistant housing and compact feather light (4.5oz) design allows the Mini-SA to accompany personnel into a variety of potentially hostile environments (Class 1, Div. 1, Groups A, B, C, & D). It can be worn or clipped almost anywhere on a user's body. When dangerous conditions occur, user's are quickly notified with triple redundant warnings that include audible, visual, and vibratory alerts.

1000+ Hours of Operation.

The Mini-SA's exclusive Battery Saver feature extends battery life up to 1000 hours! In the Battery Saver Mode, the Mini-SA continues to monitor for gas presence, with the LCD powered down for battery conservation. A bright confidence LED blinks to let users know that the instrument is operating. Pressing either button or activation of an alarm immediately restores the display.

Keep On Working.

With its minimal maintenance requirements, your personnel are focused on their jobs - *not their instruments*. Calibration is simple and intelligent sensors allow for new or different sensors to be swapped on-the fly without tools.

Features

- Low cost of ownership
- Simple-English menus for easy operation
- Easy pushbutton operation - even with gloves on
- Simple sensor replacement with auto-sensor configuration. No tools required.
- Auto calibration
- Intrinsically Safe
- Visible, audible, and vibratory alarms

SPECIFICATIONS

Dimensions	3.125" x 3.125" X 1"
Body	Black polycarbonate/ABS with removable snap action battery cover on rear of case.
Display	Liquid crystal display measuring 1.875" X 1.25" with 119 X 73 pixels
Electrochemical Sensors	Carbon Monoxide Hydrogen Sulfide Oxygen
Range of Detection	
Carbon Monoxide	0 to 500 PPM
Hydrogen Sulfide	0 to 100 PPM
Oxygen	0.0 to 25.0%
Accuracy/Repeatability	+/-3% of applied gas
Response Time	
Carbon Monoxide	T90 < or = 25 seconds
Hydrogen Sulfide	T90 < or = 30 seconds
Oxygen	T90 < 15 seconds
Temperature Range	-4 to +122° F continuous -40 to +131°F intermittent
Sensor Life	2 years typical
Battery	(2) AAA Alkaline
Alarms	All alarms displayed on LCD Visual, audible and vibratory alarms are standard Audible Sound Level 85db typical at a distance of 1 foot
Approvals	UL and ULc (CAN/CSA C22.2 no. 157-92) for Intrinsic Safety to Class 1, Division 1 Groups A, B, C, & D
Warranty	Lifetime on instrument and 2 years on sensor

Dare to Compare

The Mini-SA was designed to offer flexibility in meeting the day-to-day needs of today's safety and rescue workers. Its affordable, feature rich design provides numerous benefits over other single-gas instruments, along with significant cost of ownership advantages when compared to single-gas disposable detectors.

What should you look for when purchasing your next portable gas monitor?

	MINI-SA	Disposables
Bump Test and Calibration required?	Yes	Yes
Batteries replaceable if instrument inadvertently left on?	Yes	No
Instrument capable of leak detection?	Yes	No
Ability to replace a damaged sensor?	Yes	No
Standard vibration alarm?	Yes	No
STEL, TWA, PEAK HOLD Indication?	Yes	No

Ordering Information

Mini-SA standard accessories include a protective rubber boot, belt and retaining clip, batteries, choice of sensor, and a users manual.

Part#	Description
40014770	Mini-SA Carbon Monoxide
40014771	Mini-SA Hydrogen Sulfide
40014772	Mini-SA Oxygen
096-2465	Remote Sensing Assembly

Mini-SA Value Kit

Includes Mini-SA (with items above) plus calibration gas, regulator, tubing, calibration cup, all packaged in a lightweight compact carry case.

Part#	Description
096-2438	H2S Mini-SA Value Kit
096-2439	CO Mini-SA Value Kit
096-2440	Oxygen Mini-SA Value Kit