

>>> **INSTRUMENTATION**



BIOSYSTEMS TOXILTD®

SINGLE-SENSOR GAS MONITORS

2-Year Disposable Single-Sensor Gas Monitor

Biosystems ToxiLtd by Sperian is a compact and rugged personal gas monitor loaded with features like: optional continuous real-time gas readings, top and front high intensity LED visual alarm light, event logger, and a calibration reminder all housed in a new black case.

PLUS THE BIOSYSTEMS TOXILTD HAS AN AUDIBLE ALARM THAT IS 10% LOUDER THAN PREVIOUS MODELS!

A docking station is the most important part of an effective gas detection program because it reduces

- calibration gas expenses
- labor expenses by cutting down on the time needed to perform a bump test, calibration check or a full calibration
- labor expenses associated with recordkeeping
- legal liability



Automatic Docking Station for use with the ToxiLtd and ToxiPro series of single-sensor gas monitors.

Technical Specifications

ToxiLtd Features	Description
Weight	3.4 oz (105 grams)
Size	3.33"(8.44cm) x 2.19"(5.56cm) x 1.16"(2.95cm)
Dust and Water Resistance Rating	IP66/IP67
RF Immunity	Conforms to IEC 61000-4-3 (10 V/m)
RF Emissions	Conforms to CISPR 11 Group 1, Class A
ESD Immunity	Conforms to IEC 61000-4-2
Case Material	Clear polycarbonate with TPE overmold
Approvals	c-UL-us Classified for Class I, Div 1, Group A,B,C,D T4 UL Classified for Class II, Div 1, Group E,F,G CSA Classified for Class I, Div 1, Group A,B,C,D T4 CSA Classified for Class II, Div 1, Group E,F,G ATEX (DEMKO) EEx ia IIC T4 IECEX Ex ia IIC T4 CE Mark CQST (China) Ex ia IIC T4
Gas Types	CO, H ₂ S
Event Logger	Records 20 events
Vibrating Alarm	Optional
Standard Accessories	Calibration Adapter, Tubing, Operators Guide, Quick Reference Card

Instrument	
Temperature range (Continuous – storage)	0° to 110° F (-18° to 43° C)
Temperature range (Intermittent <30 minutes) – H ₂ S	-40° to 140° F (-40° to 60° C)
Temperature range (Intermittent <30 minutes) – Others	-20° to 120° F (-29° to 49° C)
Humidity Range	15% to 95% RH, non-condensing (0% – 95% RH ≤ 4 hours)

Gas Ranges	PPM	Resolution
Carbon Monoxide (CO)	0 – 999 ppm	1 ppm
Hydrogen Sulfide (H ₂ S)	0 – 200 ppm	1 ppm

Battery	
Capacity	1.65A/hr
Type	Lithium Thionyl Chloride (LiSOCl ₂)
Expected Life*	2 years

* As long as instrument has not exceed 20 hours in alarm.

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Biosystems ToxiLtd Configurations

Part Number	Sensor	Configuration
54-44-01	CO	Carbon Monoxide
54-44-02	H ₂ S	Hydrogen Sulfide

ToxiLtd Options*

Option	Code	Comments
Vibrating Alarm	V	Adds an internal vibrating alarm, which will work in tandem with the audible and visual alarms
Bulk Pack of 10	-10	Package of 10 ToxiLtd CO or H ₂ S Monitors
Bulk Pack of 25	-25	Package of 25 ToxiLtd CO or H ₂ S Monitors
Bulk Pack of 50	-50	Package of 50 ToxiLtd CO or H ₂ S Monitors

*Add option code to the part number.

ToxiLtd Accessories

Part No.	Description
54-46-103	Replacement clothes clip
54-46-104	Manual sample draw kit. Includes adapter, probe, and 10' tubing
54-46-105	Case for Value Pack. Foam-lined case, with room for 1 compact sized calibration gas cylinder
54-46-106	Calibration / sample draw adapter

Automatic Docking Station for the Biosystems ToxiPro and ToxiLtd

Part No.*	Description
54-46-9000	Standard Version for O ₂ , CO or H ₂ S
54-46-9100	Enhanced Version for O ₂ , CO, H ₂ S, SO ₂ , Cl ₂ , NO ₂ , NH ₃ , HCN, or PH ₃
54-46-9000N	Ethernet-Ready Standard Version for O ₂ , CO or H ₂ S
54-46-9100N	Ethernet-Ready Enhanced Version for most other gas types

*Includes Software, Installation Disks and Manuals.

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