

>>> **INSTRUMENTATION**



BIOSYSTEMS TOXIPRO® SERIES SINGLE-SENSOR GAS MONITORS

ALARMINGLY BETTER!!

Biosystems ToxiPro by Spierian has *three* visual alarm windows for increased worker safety. Even better, each alarm window comes standard with both high visibility *yellow and red* alarm LEDs. In a warning condition, the **yellow** lights will flash and the lights in all three windows will chase. In a danger condition, the **red** LEDs will flash and the lights in all three windows will chase.

Plus the Biosystems ToxiPro has an audible alarm that is 10% louder than previous models! And now many alarm features, including an optional vibrating alarm and sound pattern and set points which are now fully user customizable.

YOU WILL BE ALARMED AT HOW GOOD THIS TOXIPRO IS!



Technical Specifications

ToxiPro Features	Description
Weight	3.5 oz (110 grams)
Size	3.325" (8.44cm) x 2.19" (5.56cm) x 1.16" (2.95cm)
Dust and Water Resistance Rating	IP66/IP67 (Plastite housing only) IP65/IP67 (standard housing)
RF Immunity	Conforms to IEC 1000-4-3 (10 V/m)
RF Emissions	Conforms to CISPR 11 Group 1, Class A
ESD Immunity	Conforms to IEC 1000-4-2
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
Backlight Time (seconds)	20
Gas Types	CO, H ₂ S, O ₂ , SO ₂ , PH ₃ , NH ₃ , Cl ₂ , HCN, NO ₂ , CO-H, ClO ₂
Vibrating Alarm	Optional
Datalogging	Optional
Standard Accessories	Calibration Adapter, 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)



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

Gas Ranges	PPM	Resolution
CO	0 – 999 ppm	1 ppm
CO-H	0 – 999 ppm	1 ppm
H ₂ S	0 – 200 ppm	1 ppm
SO ₂	0 – 100 ppm	0.1 ppm
O ₂	0 – 30%	0.1%/Vol
Cl ₂	0 – 20 ppm	0.1 ppm
NH ₃	0 – 100 ppm	1 ppm
NO ₂	0 – 20 ppm	0.1 ppm
ClO ₂	0 – 5 ppm	0.01 ppm
HCN	0 – 100 ppm	0.1 ppm
PH ₃	0 – 20 ppm	0.01 ppm

Datalogger	
Number of Data Points	up to 8,100
Number of Events	20
Blackbox Datalogger	135 hours/1 minute intervals

Battery	
Capacity	850 mA/hr
Type	Lithium Manganese Dioxide
Battery Replaceable	Yes
Reverse Battery Protection	Yes

Biosystems ToxiPro Configurations

Part Number*	Sensor Configuration	
54-45-90VD	O ₂	Oxygen
54-45-01VD	CO	Carbon Monoxide
54-45-19VD	CO-H	CO Minus H
54-45-02VD	H ₂ S	Hydrogen Sulfide
54-45-03VD	SO ₂	Sulfur Dioxide
54-45-21VD	NH ₃	Ammonia
54-45-18VD	Cl ₂	Chlorine (specific)
54-45-20VD	ClO ₂	Chlorine Dioxide (specific)
54-45-09VD	NO ₂	Nitrogen Dioxide
54-45-10VD	HCN	Hydrogen Cyanide
54-45-13VD	PH ₃	Phosphine

*Part Numbers include Vibrating Alarm and Datalogging Options.

Automatic Docking Station for the Biosystems ToxiPro

Part Number*	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.