

Biosystems

Toxi VISION



An investment that pays off
in any environment.



Next to safety itself, your most important concern should be the products that provide it. The Toxi Vision from **Biosystems** is a durable, single-sensor gas detector that offers consistent, long-term protection

and the lowest cost of ownership. The Toxi Vision features a rugged, metal-plated case that is impervious to any weather condition while also providing RFI immunity. One-button operation keeps it simple, requiring only minutes of training to ensure proper operation by workers. Premium features like these deliver longer instrument replacement cycles and exceptional value when compared to lower-quality competitive detectors. Invest in the Toxi Vision for a more cost-effective gas detection program.

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Toxi Vision. Single-sensor gas detection that protects you and your investment.

The Toxi Vision is simple to use and will save you time and money through specially designed premium features, including:



RFI Protection—The special RFI shielding prevents operating interference from two-way radios and other electronic devices providing RFI immunity to 40 V/m. This allows proper operation in a wider range of environments.

Display Size—The display is among the largest in the market and can be seen easily from several feet away.

Ruggedness—The chrome metal-plated case makes the Toxi Vision resistant to corrosive gases (e.g., H₂S). The Toxi Vision is also vacuum-tested to ensure water tightness and has a rating of IPX7.

One-button Operation—The large, single button makes for easy access to all functions, even when wearing bulky gloves.

Calibration—An incredibly quick and easy one-button process.

Technical Specifications and Ordering Information

Dimensions	3 1/2" (8.9cm) x 2 1/2" (6.4cm) x 1 1/4" (3.25cm)
Weight	6.7oz. (190g)
Alarms	Two factory-set alarm levels (different for each sensor; can be changed thru RS232)
Audible alarm	Loud warbling two-tone alarm rated at 92 dBA
Visual Alarm	Bright Red LED alarm
Display backlight	Activates with button
Optional Vibrator alarm	For high noise environments
Security Flash	LED flashes once per minute to verify instrument operation when set
Controls	One button calibration
Housing	Chrome-metal plated, RFI resistant ABS with immunity to 40 V/m
Clip	Built-in steel clip
Battery Life	Up to 4000 hours
Intrinsic Safety	c-UL-us Classified for Class I, Division 1, Group A,B,C,&D hazardous locations; others pending
Durability	Meets IPX7 water and dust standard
Display	Oversized Liquid Crystal Display
Standard Accessories	Calibration adapter and hose, operators guide
STEL/TWA	Optionally enabled via RS232 cable

Part Number	Toxi Vision Sensor Installed	
54-37-91	O ₂	Oxygen
54-37-01	CO	Carbon monoxide
54-37-05	CO+	"CO Plus" detects CO and H ₂ S
54-37-19	CO-H	CO with reduced H ₂ cross sensitivity
54-37-02	H ₂ S	Hydrogen sulfide
54-37-03	SO ₂	Sulfur dioxide
54-37-08	Cl ₂ /ClO ₂	Chlorine and Chlorine dioxide
54-37-09	NO ₂	Nitrogen dioxide
54-37-13	PH ₃	Phosphine
54-37-18	Cl ₂	Chlorine specific
54-37-20†	ClO ₂	Chlorine dioxide specific
54-37-21	NH ₃	Ammonia

† Chlorine dioxide generator required for calibration.

Toxi Vision Options (Add option code letter to the part number and option price to the instrument price)

Option	Code	Comments
Value Pack	K	Value Pack kits contain standard accessories, compact sized calibration gas, fixed flow rate regulator, and compact foam-lined ABS carrying case. Value pack kit configuration is not applicable for the oxygen and ClO ₂ specific versions of the Toxi Vision.
Vibrating alarm	V	Adds an internal vibrating alarm, which will work in tandem with the audible and visual alarms.
Rubber Boot	B	Includes Toxi Vision protective rubber boot.



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