ToxiPro®

ToxiPro® with its real time reading, two-color visual alarm, and two-tone audible alarm is the single gas detector for "demanding" users

ToxiPro®

Tough durable housing
- Small, lightweight design
- Robust, shock-resistant housing

Ultra clear backlit display
- Fully illuminated backlit LCD
- Easy to read with clear data display
- Continuous, real-time gas readings
- Peak, STEL and TWA readings

Effective gas alarm indication
- Highly visible bright LED visual alarms (red and yellow)
- Distinctive loud two-tone audible alarm
- Vibration alarm that demands attention in high noise environments

Designed for tough environments
- IP66/67 rating
- Alarms that demand attention in all hazard locations
- Automatic blackbox datalogger

Cost-effective ongoing use
- Field serviceable
- When used with optional IQ Express™ docking station, the ongoing cost of bump testing and calibration is reduced by up to 60%

Integral datalogging
- Includes a blackbox datalogger that automatically logs up to 100 sessions
- Can be upgraded to a full datalogger if required

ToxiPro® is a durable, high performance portable unit designed to offer single gas detection in tough environments. Optimised to deliver enhanced safety to workers and a cost-effective ongoing use over product life, ToxiPro® provides clear alarm status cues that demand attention.
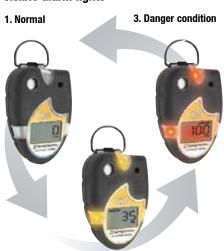
Highly visible bright red and yellow LEDs effectively warn users of dangerous conditions, whilst the device's optional vibration alarm ensures workers are alerted to dangers even in high noise environments.

Providing real-time Peak, STEL and TWA readings on a clear backlit LCD display, ToxiPro® includes a blackbox recorder feature that allows the device to automatically datalog up to 100 sessions, including measurements and time history data.

When used with the ToxiPro® IQ Express™ docking station, the ongoing calibration and bump testing of ToxiPro® can be reduced by up to 60%. The IQ Express™ docking station is able to deliver fully automated bump test, calibration, meter diagnostics and data download, providing considerable savings over product life and reducing the time spent carrying out ongoing maintenance activities.

Visible alarm lights

1. Normal

3. Danger condition

2. Warning condition

Optional Accessories
- Replacement sensor filter
- Lanyard
- Replacement belt clip
- Replacement clothes clip
- Replacement cell phone-style swivel clip
- Manual sample draw kit (includes an adapter, probe and 10 inch tubing (please note: not for use with Cl_2 and ClO_2)
- Calibration/sample draw adapter
- Calibration adapter including FEP lined tube for reactive gases (NH_3, CL_2, ClO_2, HCN and NO_2)
- IQ Express™ Bump Test and Calibration Station: Includes IQ Express™, 110V Power Supply, USB cable, Software Manual, 2 feet tubing with fitting and demand flow

- Four unit mounting bracket for IQ Express™ including tubing and magnetic hardware. (Please note: USB hub, power supply, demand flow regulator and calibration gas not included)
- Four unit mounting bracket for IQ Express™ including tubing, magnetic hardware, and 110V 4X power supply
- ToxiPro® datalogger upgrade (please note: the device must be returned to Biosystems for upgrade)
- ToxiPro® BIO Trak Software Kit including Bio Trak software and manual (please note: computer must support IrDA to download)

General Specification

Housing	
Weight	3.5oz (99 g)
Size	3.325 in. (8.44cm) x 2.19 in. (5.56 cm) x 1.16 in. (2.95 cm)
Case material	Clear polycarbonate with TPE overmold
Dust and water resistance rating	IP66/IP67
Environmental ratings	
RF immunity	Conforms to EN 50270
RF emissions	Conforms to IEC 61000-6-4
ESD immunity	Conforms to IEC 61000-4-2
Approvals	
	UL Class I, Div 1, Group A,B,C,D T4
	UL Class II, Div 1, Group E,F,G
	CSA Class I, Div 1, Group A,B,C,D T4
	CSA Class II, Div 1, Group E,F,G
	ATEX (DEMKO) II 1 G Ex ia IIC T4
	IECEx Ex ia IIC T4 Ga
	CE Mark
	CQST (China) Ex ia IIC T4
Backlight	
Type	Multi-color LED Backlight
Gas types	
Available sensors	CO, CO-H, H_2S, O_2, SO_2, PH_3, NH_3, CL_2, HCN, NO_2

Alarm levels (default)

	CO, CO-H	H_2S	O_2%	SO_2	CL_2	NH_3	NO_2	PH_3	HCN
Warning alarm (ppm)	35	10	23.5	2	0.5	25	1	0.3	4.7
Danger alarm (ppm)	100	20	19.5	5	1	35	5	1	4.7
TWA alarm (ppm)	35	10	na	2	1	35	1	1	4.7
STEL alarm (ppm)	35	15	na	5	0.5	25	1	0.3	4.7

Ranges

	CO	CO-H	H_2S	SO_2	O_2	CL_2	NH_3	NO_2	HCN	PH_3
	0-999	0-999	0-200	0-100	0-30	0-20	0-100	0-20	0-100	0-20

Resolution

	CO	CO-H	H_2S	SO_2	O_2	CL_2	NH_3	NO_2	HCN	PH_3
	1 ppm	1 ppm	1 ppm	0.1 ppm	0.1%/Vol	0.1 ppm	1 ppm	0.1 ppm	0.1 ppm	0.01 ppm

Battery	
Battery life	9000 hrs.
Shelf life	4000 hrs.
Type	Lithium Manganese Dioxide
Battery replaceable	Yes
Reverse battery protection	Yes
Datalogging	
Number of sessions	up to 100
Number of intervals	up to 8100
Number of events	100
Blackbox datalogger	up to 8100 intervals at 1 minute
	Can be upgraded to a full datalogger at any time. Activation code and BioTrak PC software required.
Instrument	
Temperature range	(Continuous — storage) 0 to 110ºF (-18 to 43ºC)
Temperature range	(Intermittent <30 minutes; H_2S) -40 to 140ºF (-40 to 60ºC)
Temperature range	(Intermittent <30 minutes; Others) -20 to 120ºF (-29 to 49ºC)
Humidity range	15 - 95% RH, non-condensing (0 - 95% RH <= 4 hours)
Alarm sound levels (two tone)	102 dB @ 10cm

Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.

🇬🇧 UK Office
Keison Products,
P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.
Tel: +44 (0)330 088 0560
Fax: +44 (0)1245 808399
Email: sales@keison.co.uk