

ENGUARD 97D

STAND-ALONE CONTROLLER WITH INTEGRAL TOXIC GAS SENSOR OR OPTIONAL REMOTE SENSOR WITH CABLE

FEATURES

- Electrochemical Sensors available for Oxygen, Hydrogen and Many Toxic Gases
- Audio and Visual Alarms
- Standard with AC Line Cord
- Power: 85-265 Vac, 24 Vdc
- 4-20 mA Output Signal
- LCD Display of Gas Concentration in ppm, or % by Volume for Oxygen
- Three Factory Programmable Alarm Points
- 5 Vdc TTL outputs available for Auxiliary Alarm Activation from Three Factory Set Points
- Pushbutton Calibration
- IP 65, Polycarbonate Enclosure
- One Alarm Relay, user selectable (alarm 1, 2 or 3)
- Integral or Optional Remote Sensor



ENGUARD 97D
(Shown with integral sensor)

The ENGUARD 97D system is a self-contained single point gas monitor with an integral sensor. As an option, the instrument can be supplied with a remote sensor on a six foot cable. This unique system includes a digital display, LED visual alarms, an audio alarm, and comes standard with an AC line cord. The unit is provided with three factory programmed alarm points.



ENGUARD 97D

SINGLE-POINT Toxic Gas & Oxygen Monitor

CONTROLLER SPECIFICATIONS

- Size:** 8.5" h x 7.6" w x 5.0" d (22 x 20 x 13 cm)
Weight: 3 lbs. (1.36 Kg)
Enclosure: IP 65, Polycarbonate, Wall-mount
Input Power: 85-265 Vac, or 24 Vdc
Outputs: 4-20 mA
 5 Vdc TTL outputs available for auxiliary alarm activation from three factory set points.
Relay: Single 2 amp 120 Vac relay, at one alarm level in conjunction with horn. User selectable from three factory set alarm levels.

Sensor Mounting Options:

ENGUARD 97D comes standard with an integral sensor. As an option, the sensor can be supplied with a remote sensor housing and a six foot cable.

Remote Sensor



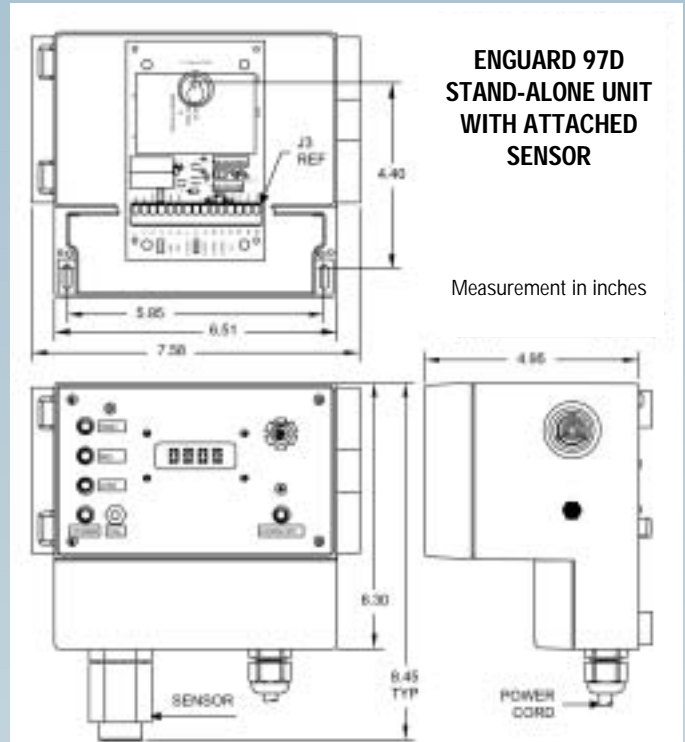
Dimensions:
approx. 5" long x 1 3/4" diameter

MONITORS AVAILABLE FOR:

Table gives typical range and display resolution in ppm

Gas	Range	Display	Gas	Range	Display
H ₂ S	0-100	1	CO	0-500	1
H ₂	0-2000	1	HCN	0-30	0.1
SO ₂	0-30	0.1	NO	0-100	1
HCl	0-30	0.1	HF	0-10	0.1
F ₂	0-1	0.01	NH ₃	0-100	1
COCl ₂	0-1	0.01	PH ₃	0-1	0.01
SiH ₄	0-30	0.1	Cl ₂	0-10	0.1
NO ₂	0-30	0.1	O ₃	0-1	0.01
AsH ₃	0-1	0.01	ClO ₂	0-1	0.01
ETO	0-30	0.1	O ₂	0-30.0%	0.1%

Note: Calibration kits are available for all gases.



ENGUARD 97D
STAND-ALONE UNIT
WITH ATTACHED
SENSOR

Measurement in inches

ENGUARD 97D WIRING TABLE

J3-1	ALARM RELAY SELECTABLE ALARM 1,2 OR 3 2A @ 24 V DC OR 250 V AC	N.O.
J3-2		N.C.
J3-3		COM.
J3-4	DC POWER	+24 V DC
J3-5		DC GND
J3-6	4-20 mA OUTPUT SIGNAL	-
J3-7		+
J3-8	DC POWER FOR REMOTE ALARM UP TO 200 mA @ 24 V DC	+24 V DC
J3-9	5 VOLT OUTPUT, TTL	ALARM 1
J3-10		ALARM 2
J3-11		ALARM 3
J3-12	AC POWER FOR REMOTE ALARM UP TO 250 V AC	AC LINE
J3-13	AC POWER	AC LINE
J3-14		AC NEUTRAL
J3-15		EARTH

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE