GAS SPECIFIC INFORMATION

Industrial Scientific Default Instrument Alarm Settings

	INSTANT		HYGIENE	
GAS	**LOW**	**HIGH**	**TWA**	**STEL**
O_2	19.5% vol	23.5% vol	N/A	N/A
CO	35 ppm[1,2]	70 ppm[2]	35 ppm[1]	200 ppm
H_2S	10 ppm	20 ppm	10 ppm	15 ppm
SO_2	2.0 ppm	4.0 ppm	2.0 ppm	5.0 ppm
NO_2	3.0 ppm	6.0 ppm[3]	3.0 ppm	5.0 ppm
Cl_2	0.5 ppm	1.0 ppm	0.5 ppm	1.0 ppm
ClO_2	0.1 ppm	0.2 ppm	0.1 ppm	0.3 ppm
CO_2	0.5% vol	1.0% vol	0.5% vol	3.0% vol
PH_3	0.3 ppm	0.6 ppm	0.3 ppm	1.0 ppm
NH_3	25 ppm	50 ppm	25 ppm	35 ppm
HCN	5.0 ppm	10 ppm	4.0 ppm	4.0 ppm
NO	25 ppm	50 ppm	25 ppm	25 ppm
HCl	2.5 ppm	5.0 ppm	2.5 ppm	2.5 ppm
H_2	50 ppm	100 ppm	N/A	N/A
CH_4	1.0% vol	1.5% vol	N/A	N/A
LEL	10% LEL	20% LEL	N/A	N/A
PID	100 ppm	200 ppm	N/A	N/A

NOTE: 1. For CO, OSHA PEL is 50 ppm, Industrial Scientific uses the standard set in 1989 (35 ppm). All alarm set points are field-adjustable over the full range of the sensor, exceptions: LEL/CH_4 – 0 to 60% and 0 to 3.0% by vol CH_4. Provided standards exist, all alarm settings are based on the following: Low alarms are based on OSHA PEL and/or NIOSH values. High alarms are based on 2 times OSHA PEL values.

2. MSHA CO limits are 50 ppm for a low alarm and 100 ppm for a high alarm.

3. MSHA NO_2 limits are 5 ppm for a high alarm.

Notes: