RKi Analytical Instruments
The Analyser People

Series-03

Personal Gas Monitor

H₂S CO HC O₂

Features

- Detection of O_2, CO, H_2S or combustible gases
- Compact and light weight, only 80 g
- Impact, dust and water resistant (IP-67)
- Datalogger 5-300 hours with adjustable intervals
- Peak Hold, STEL & TWA
- 3.000 h continuous operation (GP-03 max. 35 h)
- ATEX II CT4 (Alkaline battery)
  ATEX II CT3 (Ni-MH battery)

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Description

The GP-03, OX-03, CO-03 and HS-03 models are personal single gas monitors designed for personal protection from combustible hydrocarbons, oxygen deficiency, hydrogen sulfide, or carbon monoxide.

The O2, CO and H2S versions can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries. The GP-03 operates for 35 hours on alkaline and 30 hours on rechargeable Ni-MH batteries. The S03 Models have 2 preset alarms that are user adjustable. Each version is also equiped with visual, audible and vibration alarms as standard.

The replacement sensors are inexpensive, easily field replaceable, and are interchangeable with other popular RKI instruments like the GX-2009, GX-2012 and GasWatch2.

Each 03 Series monitor is impact, dust and water resistant with an IP-67 rating.

Specifications

Model	GP-03	OX-03	HS-03	CO-03
Measuring gas	Combustible gases	Oxygen	Hydrogen sulfide	Carbon monoxide
Measuring range	0~100%LEL	0~40.0%	0~100.0ppm	0~500ppm
Resolution	1%LEL	0.1%	0.5ppm	1ppm
Detection principle	Catalytic combustion	Galvanic cell	Electro-chemical cell	
Sampling method	Diffusion			
Data Logging	10 seconds intervales = 5 hours, 5 minute intervale = 150 hours, 10 minute intervale = 300hours Instruments records alarms, alarm trends, gas readings, calibration&bump test history, instrument information and settings			
Alarm indication	Gas Alarm: Flashing LEDs, Buzzer, Flashing gas valuem Vibration Trouble alarms: Flashing LEDs, continuous buzzer, display of error message			
Alarm set points	1st : 10%LEL 2nd : 50%LEL OVER : 100%LEL	1st : 19.5% 2nd : 18.0% OVER : 40.0%	1st : 5.0ppm 2nd : 30.0ppm STEL : 5.0ppm TWA : 5.0ppm OVER : 100.0ppm	1st : 25ppm 2nd : 50ppm STEL : 200ppm TWA : 25ppm OVER : 500ppm
Alarm types	Gas Alarm: 2 preset alarms, Over scale alarm, STEL, TWA Trouble alarms: Sensor disconnection, Low battery, Calibration error, Clock error, System error			
Operation temperature and humidity	-20 ~ +50°C 0 ~ 90%RH (Non-condensing)	-20 ~ +50°C 0 ~ 95%RH (Non-condensing)	-20 ~ +50°C 16 ~ 85%RH (Non-condensing)	
Response time	90% response within 30 seconds	90% response within 20 seconds	90% response within 30 seconds	
Operation time	Alkaline battery: Approx. 35h Ni-MH battery: Approx. 30h	Alkaline battery: Approx. 3000h Ni-MH battery: Approx. 2000h		
Power source	2 AAA size Alkaline battery (Optional AAA size Ni-MH battery)			
Safety rating	ATEX Excia II CT4 (Alkaline battery) ATEX Excia II CT3 (Ni-MH battery)			
Dimensions and weight	Approx. 57(W) x 70(H) x 26(D) mm, 80g (with rubber protection cover)			