

# Rig Protector 4



## Transportable Multipoint Gas Detection and Alarming System

### The Next Generation Stand-Alone Gas Detection

The RP4 detection system provides multipoint monitoring for toxic and combustible gases as well as oxygen depletion for temporary and/or rapid deployment. Configurable alarm threshold for each gas will cause immediate and continuous audible and visual alarms, alerting local personnel of danger. By incorporating the Federal Signal tone module, personnel are alerted via sounds they are already familiar with on many plant sites. The integral strobe is available in many colours to accommodate individual plant site standards.

The individual sensors are tethered to RP4 controller via quick-connect cables providing:

- ▶ rapid deployment
- ▶ powered from control unit
- ▶ obvious detection location (follow the cables)
- ▶ no additional batteries



- Easy Installation: Arrives preconfigured and calibrated. Simply connect the RP4 to the top of the tripod and plug in the ruggedized cables to controller and sensors.
- Facility Monitoring: Run cables up to 100M from controller to warn workers before entering an area.
- Perimeter Monitoring: Fast and cost effective method of establishing a transition between hazardous and non-hazardous areas.
- Excellent choice for new construction next to an operating unit
- Portable Monitoring: Great for mobile worksites from drilling rigs, refineries, chemical plants to loading docks and HAZMAT and disaster response the versatility of the gas detection system is nearly endless.

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Federal Signal horn has 110 dB sound at 3m  
and can be configured for all standard sounds  
via the integral tone module

Integral strobe is available in many colors  
(blue standard) and has a high intensity of  
580,000 peak candelas



Plug in cables (both  
ends) available up to  
100m allow for easy  
transport and rapid  
assembly, even with  
gloves on

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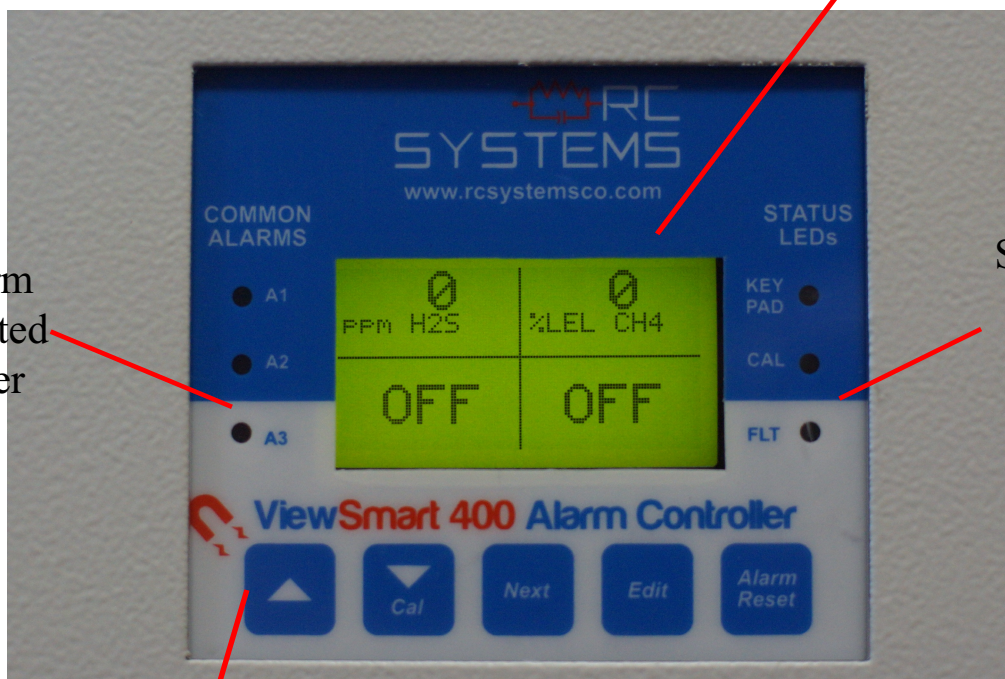
Transportable Multipoint Gas Detection and Alarming System

Controller backlit display specially designed to remain readable below  $-35^{\circ}\text{C}$ .

Displays value, units, gas and alarms

Up to 3 alarm levels indicated on controller

Status LEDs for keypad, calibration and fault

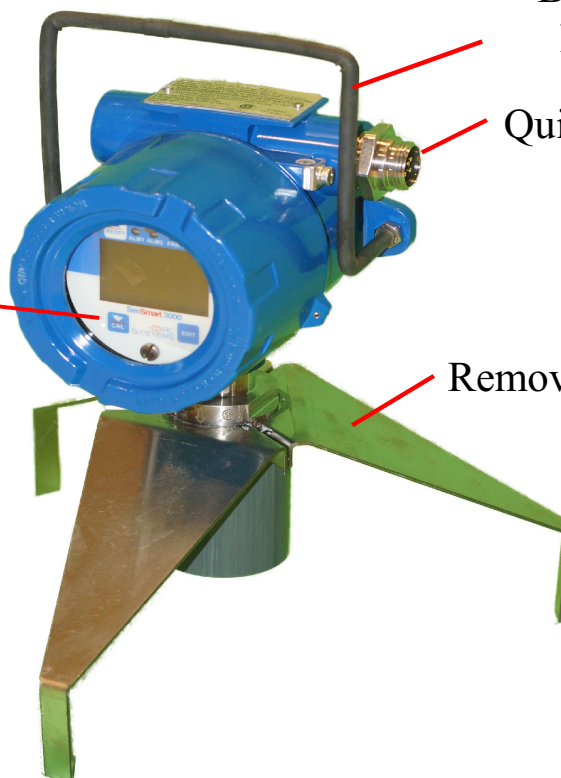


Balanced handle

Quick connect

Magnetic switches to step through menus on both controller and sensors

Removable tripod



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	Units	Span (from 0)	
		Min	Max
Hydrogen Sulfide	ppm	5	2000
Combustible	% LEL	0	100
Carbon Monoxide	ppm	40	5000
Oxygen	%	-	25

	Units	Span (from 0)	
		Min	Max
Acetaldehyde	ppm	30	1500
Acetylene	%LEL	-	100
Ammonia	ppm	25	1000
Arsine	ppm	0.5	1
Benzene	ppm	3	25
Butane	%LEL	-	100
Carbon Dioxide	%vol	1.5	100
Chlorine	ppm	5	20
Chlorine Dioxide	ppm	2	6
Ethane	%LEL	-	100
Ethanol	%LEL	-	100
Ethylene Oxide	ppm	2	100
Ethyl Alcohol	ppm	40	3300
Flourine	ppm	0	1
Hexane	%LEL	-	100
Hydrogen	ppm	250	10000
Hydrogen Chloride	ppm	20	100
Hydrogen Cyanide	ppm	35	100
Hydrogen Flouride	ppm	-	10
Isobutylene	%LEL	-	100
Methane	%LEL	-	100
Nitric Oxide	ppm	10	500
Nitrogen Dioxide	ppm	15	200
Ozone	ppm	0.5	2
Pentane	%LEL	-	100
Phosphine (PH <sub>3</sub> )	ppm	5	10
Propane	%LEL	-	100
Propylene	%LEL	-	100
Silane (SiH <sub>4</sub> )	ppm	45	50
Sulfur Dioxide	ppm	10	2000

*Others available*

### SUMMARY SPECIFICATIONS

#### CONTROLLER:

- RC Systems SmartView 400
- 24 VDC, 100-240 VAC, solar
- -40 to +40°C
- CSA CI, Div 2 A,B,C,D

#### Alarms:

- 3 configurable + fault
- high intensity strobe (580,000 peak candela)
- Federal Signal 302GCX audible with tone module, 114 dB at 3m

#### Display:

- Backlit LCD for value, units, gas and alarms
- Visible down to -35°C

#### Ports:

- Gas Sensors (up to 4), quick connect
- Power

#### SENSORS:

- RC Systems SenSmart plug-in transmitters
- Powered by controller
- CSA CI, Div 1, B,C,D
- Temperature range gas dependent

#### SENSOR CABLES:

- CSA CI, Div 2 A,B,C,D



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