

MODELS IQ-250 & IQ-350

# SINGLE GAS PORTABLES

FOR THE DETECTION OF OVER 150 TOXIC & COMBUSTIBLE GASES



- Digital display of gas concentration.
- Low, mid, & high alarm LEDs with alarm buzzer.
- Built-in sample pump on **IQ-350**.
- Can be used with *Solid State, Electrochemical, or Catalytic Bead* sensors.
- Sensors available for over 150 different toxic & combustible gases.
- Carrying case easily removed for decontamination.

# DESCRIPTION

## MODEL IQ-250

The **Model IQ-250** is a single gas, portable instrument which can be equipped with either a *solid state* or *catalytic bead sensor*. Any one of over 150 toxic and combustible gases can be chosen for detection. The sensor is attached via a coiled cord which allows readings to be taken up to 24" from the unit.

An alarm buzzer and alarm LEDs alert you to the presence of hazardous levels, and a digital display indicates the gas concentration. User adjustable setpoints are provided for low, mid, and high alarm levels.

The **IQ-250** is compact, weighing just 22 ounces including the batteries. It will operate approximately 14 hours on 4 'AA' size alkaline batteries.

## MODEL IQ-350

The **Model IQ-350** is a single gas, portable instrument which provides all of the features of the **IQ-250** and in addition, it comes equipped with an internal sampling pump and wand assembly.

It can be equipped with a *solid state, catalytic bead, or electrochemical sensor* and can be configured to detect any one of over 150 toxic and combustible gases.

The unit operates approximately 20 hours on 4 'C' size alkaline batteries.

## IST GAS LIST

The following gases are available for detection using **IST** sensors. Please contact **IST** for additional information.

Acetic Acid	Chloroform	Ethylene	Methane	Phosgene
Acetone	Chlorotrifluoroethylene	Ethylene Oxide	Methanol	Phosphine
Acetonitrile	Cumene	Fluorine	Methyl Acetate	Phosphorus Oxychloride
Acetylene	Cyanogen Chloride	Formaldehyde	Methyl Acrylate	Picoline
Acrolein (Acrylaldehyde)	Cyclohexane	Freon-11	Methyl Bromid	Propane
Acrylic Acid	Cyclopentane	Freon-12	Methyl Butanol	Propylene
Allyl Alcohol	Deuterium	Freon-22	Methyl Cellosolve	Propylene Oxide
Allyl Chloride	Diborane	Freon-113	Methyl Chloride	Silane
Ammonia	Dibromoethane	Freon-114	Methyl Ethyl Ketone	Silicon Tetrachloride
Anisole	Dibutylamine	Freon-123	Methyl Hydrazine	Silicon Tetrafluoride
Arsenic Pentafluoride	Dichlorobutene	Fuel Oil or Kerosene	Methyl Isobutyl Ketone	Styrene
Arsine	Dichloroethane (EDC)	Gasoline	Methyl Mercaptan	Sulfur Dioxide
Benzene	Dichlorofluoroethane	Germane	Methyl Methacrylate	Tetrahydrofuran
Biphenyl	Dichloropentadiene	Heptane	Methyl-Tert Butyl Ether	Tetraline
Boron Trichloride	Dichlorosilane	Hexane	Methylene Chloride	Toluene
Boron Trifluoride	Diesel Fuel	Hexene	Mineral Spirits	Toluene Diisocyanate
Bromine	Diethyl Benzene	Hydrazine	Monochlorobenzene	Trichloroethane
Butadiene	Diethyl Sulfide	Hydrogen	Monoethylamine	Trichloroethylene
Butane	Difluorochloroethane	Hydrogen Bromide	Morpholine	Triethylamine (TEA)
Butanol	Difluoroethane (152A)	Hydrogen Chloride	Naphtha	Trifluoroethanol
Butene	Dimethyl Ether	Hydrogen Cyanide	Natural Gas	Trimethylamine (TMA)
Butyl Acetate	Dimethylamine (DMA)	Hydrogen Fluoride	Nitric Oxide	Tungsten Hexafluoride
Carbon Disulfide	Epichlorohydrin	Hydrogen Sulfide	Nitrogen Dioxide	Turpentine
Carbon Monoxide	Ethane	Isobutane	Nitrogen Trifluoride	Vinyl Acetate
Carbon Tetrachloride	Ethanol	Isobutylene	Nonane	Vinyl Chloride
Cellosolve Acetate	Ethyl Acetate	Isopentane	Oxygen	Vinylidene Chloride
Chlorine	Ethyl Benzene	Isoprene	Ozone	Xylene
Chlorine Dioxide	Ethyl Chloride	Isopropanol	Pentane	
Chlorobutadiene	Ethyl Chlorocarbonate	JP4	Perchloroethylene	
Chloroethanol	Ethyl Ether	JP5	Phenol	

## IQ-250/IQ-350 SPECIFICATIONS

<b>Power:</b>	<b>IQ-250:</b> 4 'AA' alkaline or nicad batteries. <b>IQ-350:</b> 4 'C' alkaline or nicad batteries.	<b>Sampling Method:</b>	<b>IQ-250:</b> Diffusion. <b>IQ-350:</b> Built-in sample pump.
<b>Operating Time:</b>	<b>IQ-250:</b> 14 hours-alkaline; 8 hours-nicad. <b>IQ-350:</b> 20 hours-alkaline; 12 hours-nicad.	<b>Low Battery:</b>	Continuous audible tone plus LED indication.
<b>Sensor Types:</b>	<b>IQ-250:</b> Solid State or Catalytic Bead. <b>IQ-350:</b> Solid State, Catalytic Bead, or Electrochemical.	<b>Fault:</b>	Continuous audible tone and "Active" LED turns off.
<b>Indicators:</b>	Low, Mid, High Alarm LEDs; Active LED; Low Battery LED; Pump LED (IQ-350 only).	<b>Temp:</b>	-20°C to +50°C operating. -20°C to +60°C storage.
<b>Display:</b>	3 digit LED display.	<b>Humidity:</b>	0 to 99% RH, non-condensing continuous.
<b>Controls:</b>	Power-On/Off. Acknowledge alarm button. Pump-On/Off (IQ-350 only).	<b>Case:</b>	Aluminum.
<b>Alarms:</b>	3 alarm setpoints with LED indicators. (Low, Mid, and High Alarm) and audible tone.	<b>Size:</b>	<b>IQ-250:</b> 6.25"L x 3.0"W x 2.19"H. (158.7 x 76.2 x 55.6 mm). <b>IQ-350:</b> 7.13"L x 3.38"W x 4.0"H. (181.1 x 85.9 x 101.6 mm).
		<b>Approximate Weight:</b>	<b>IQ-250:</b> 22 oz. (including batteries). <b>IQ-350:</b> 40 oz. (including batteries).

\*UL Intrinsic Safety Pending.

**SUNSTAR 商斯达实业集团**是集研发、生产、工程、销售、代理经销、技术咨询、信息服务等为一体的高科技企业，是专业高科技电子产品生产厂家，是具有 10 多年历史的专业电子元器件供应商，是中国最早和最大的仓储式连锁规模经营大型综合电子零部件代理分销商之一，是一家专业代理和分销世界各大品牌 IC 芯片和电子元器件的连锁经营综合性国际公司，专业经营进口、国产名厂名牌电子元件，型号、种类齐全。在香港、北京、深圳、上海、西安、成都等全国主要电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成强大统一的供货和代理分销网络。我们专业代理经销、开发生产电子元器件、集成电路、传感器、微波光电元器件、工控机/DOC/DOM 电子盘、专用电路、单片机开发、MCU/DSP/ARM/FPGA 软件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能模块开发配套商。商斯达实业公司拥有庞大的资料库，有数位毕业于著名高校——有中国电子工业摇篮之称的西安电子科技大学（西军电）并长期从事国防尖端科技研究的高级工程师为您精挑细选、量身订做各种高科技电子元器件，并解决各种技术问题。

更多产品请看本公司产品专用销售网站：

商斯达中国传感器科技信息网：<http://www.sensor-ic.com/>

商斯达工控安防网：<http://www.pc-ps.net/>

商斯达电子元器件网：<http://www.sunstare.com/>

商斯达微波光电产品网：[HTTP://www.rfoe.net/](http://www.rfoe.net/)

商斯达消费电子产品网：<http://www.icasic.com/>

商斯达实业科技产品网：<http://www.sunstars.cn/>

传感器销售热线：

地址：深圳市福田区福华路福庆街鸿图大厦 1602 室

电话：0755-83370250 83376489 83376549 83607652 83370251 82500323

传真：0755-83376182 (0) 13902971329 MSN: [SUNS8888@hotmail.com](mailto:SUNS8888@hotmail.com)

邮编：518033 E-mail:[szss20@163.com](mailto:szss20@163.com) QQ: 195847376

深圳赛格展销部：深圳华强北路赛格电子市场 2583 号 电话：0755-83665529 25059422

技术支持：0755-83394033 13501568376

欢迎索取免费详细资料、设计指南和光盘；产品凡多，未能尽录，欢迎来电查询。

北京分公司：北京海淀区知春路 132 号中发电子大厦 3097 号

TEL: 010-81159046 82615020 13501189838 FAX: 010-62543996

上海分公司：上海市北京东路 668 号上海赛格电子市场 2B35 号

TEL: 021-28311762 56703037 13701955389 FAX: 021-56703037

西安分公司：西安高新开发区 20 所(中国电子科技集团导航技术研究所)

西安劳动南路 88 号电子商城二楼 D23 号

TEL: 029-81022619 13072977981 FAX:029-88789382