

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.



**INTERNATIONAL
SENSOR TECHNOLOGY**

The Leader In Gas Detection Since 1972

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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	Naptha	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

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

*UL Intrinsic Safety Pending.