

IQ-350 EAGLE

**Infra-Red Portable Gas Detector for
CO₂ or Hydrocarbons**



- State of the art non-dispersive infra-red (NDIR) portable for the detection of carbon dioxide (CO₂), hydrocarbons (HCs), and other gases.
- CO₂ ranges from PPM to % by volume, and HC ranges from % LEL to % by volume.
- Standard features include a large LED display, 2 alarm setpoints, visual and audible alarm indications, built-in sampling system, a washable carrying case, and an AC adaptor/charger.
- Operates on alkaline or nickel-cadmium batteries, or the AC adaptor/charger.
- Optional oxygen (O₂) sensor can also be added to the unit.
- Selector switch provides choice of 3 different ranges.



**INTERNATIONAL
SENSOR TECHNOLOGY**

The Leader In Gas Detection Since 1972

3 Whatney • Irvine, California 92718-2806 • Telephone 949-452-9000 • FAX: 949-452-9009 • TLX: 4722070



IQ-350 EAGLE

DESCRIPTION:

International Sensor Technology's **IQ-350 Eagle** detects multiple ranges of carbon dioxide (CO₂) or hydrocarbons (HCs) using state of the art non-dispersive infra-red (NDIR) technology. For CO₂, full-scale ranges from ppm to % by volume concentrations can be measured, while for HCs, % LEL (lower explosive limit) and % by volume ranges are available. An optional oxygen (O₂) sensor can be added to monitor oxygen enrichment or deficiency. Detection of Carbon Monoxide is also available, in ranges of 0-1% by volume and higher. Other gases and ranges are also available. Please contact IST for more information.

The **IQ-350 Eagle** operates on 4 'C' size alkaline or nickel cadmium batteries. The supplied AC adaptor/charger will operate the unit or trickle charge the nickel cadmium batteries when the unit is not in use. If alkaline batteries are used, special circuitry insures that the AC adaptor/charger will **not** charge them, providing an important safeguard. The Eagle will operate for 12 hours on nickel-cadmium batteries and 24 hours on alkaline batteries.

The **IQ-350 Eagle** features a large LED display, 2 alarm setpoints (low and high alarm), audible (high decibel alarm buzzer) and visual alarm indications (LED indicators), a built-in sampling system, a washable carrying case (offers weather protection, as well as being able to easily detox the case after use), and an AC adaptor/charger.

A range selector provides applicational flexibility. A selector switch is used to select between the three available ranges of CO₂ or HCs. Also, the optional O₂ sensor offers oxygen enrichment and depletion alarms for those applications requiring additional oxygen monitoring. The O₂ concentration is read by depressing a momentary switch on the unit, which then shows the O₂ concentration on the display.

SPECIFICATIONS:

POWER: 4 'C' Alkaline or Nicad Batteries.

OPERATING LIFE:

Alkaline Batteries: 24 hours

Nickel Cadmium Batteries: 12 hours

AC Adaptor: Continuous

STANDARD AVAILABLE GASES:

Carbon Dioxide: 2000 ppm, 1 % by volume, 10 % by volume

Hydrocarbons: 10,000 ppm, 100 % LEL, 100 % by volume CH₄

Oxygen: 25 % by volume

Carbon Monoxide: 1% by volume and higher

OTHER RANGES AVAILABLE UPON REQUEST FOR ALL GASES.

OTHER AVAILABLE GASES:

Acetaldehyde, Acetone, Acrolein, Benzene, Butane, Cyclohexane, Diethylamine, Dimethylamine, Ethane, Ethanol, Ethyl Benzene, Ethylene Oxide, Formaldehyde, Freon 152, Freon 134A, Tetrafluoroethane, Heptane, Methanol, Propane, Styrene, Tetrahydrofurane Toluene, Xylene.

Sensor: CO₂ and HCs: Infra-Red. Oxygen: Long life Electrochemical

INDICATORS: Low, High Alarm LEDs; Active LED; Low Battery LED; Pump LED.

DISPLAY: 3 Digit Display. **CONTROLS:** Power - On/Off. Acknowledge Alarm Button.

Pump - On/Off. 3 Range Selector Switch.

ALARMS: 2 Alarm Setpoints with LED Indicators. (Low and High Alarm) and Audible Tone.

SAMPLING METHOD: Built-in Sample Pump.

LOW BATTERY: Continuous Audible Tone Plus LED Indication.

FAULT: Continuous Audible Tone and "Active" LED Turns Off.

TEMP: -20°C to +50°C Operating. -20°C to +60°C Storage.

HUMIDITY: 0 to 99% RH, Non-condensing Continuous.

CASE: Aluminum. **SIZE:** 7.75" L x 3.55" W x 4.0" H. **APPROXIMATE WEIGHT:** 3.2 lbs.