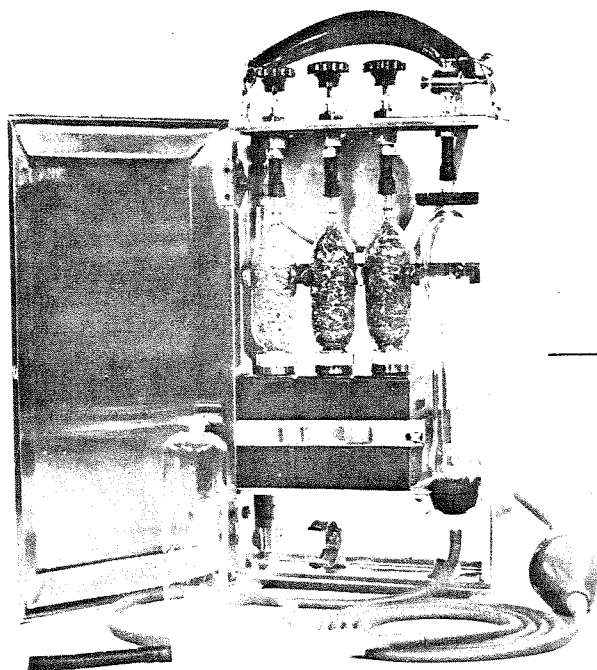


# model A-00621-AO portable orsat gas analyzer

- LOW COST • MEASURES O<sub>2</sub>, CO<sub>2</sub>, CO AND SO<sub>2</sub> CONCENTRATIONS •
- FOR MAXIMUM FURNACE EFFICIENCY AND TOP FUEL ECONOMY •



## description

Flue-gas concentrations on every combustion process, regardless of type of fuel, should be monitored to be sure it is operating at peak efficiency. Inefficient combustion not only wastes critical fuel but increases pollution emissions and plant operating costs. That's why everyone responsible for combustion efficiency needs this simple, dependable Hays-Republic Model A-00621A Portable Flue-gas Analyzer. It can help you minimize fuel usage and thus obtain the cost savings and benefits of maximum fuel economy.

It gives you accurate O<sub>2</sub>, CO<sub>2</sub> and CO measurements, as well as SO<sub>2</sub> measurement in a 0-3000 ppm range, without a large investment in instruments or installation costs.

Simple to use, it's the most dependable and easiest method yet developed to check burner operation and efficiency at the lowest possible cost. Anyone concerned with furnace operations can learn to use it with a minimum of instruction.

The Hays-Republic Model A-00621A is ruggedly constructed with a stainless steel case, self-lubricated valves and long-life chemical reagents.

It is light weight, easily portable, and requires little or no maintenance. Three models are available, one offering an optional SO<sub>2</sub> measurement capability.

Also used as a handy checking instrument for pollution control, gas purity and daily confirmation of calibration on other gas analyzers, the Model A-00621A compares measured volumes of a gas sample before and after intimate contact with selective absorbing solutions. The reduction in sample volume is the measure of concentration for each specific gas.

The SO<sub>2</sub> measurement unit analyzes concentration by passing a measured gas sample through a tube with a reagent packing which stains in the presence of SO<sub>2</sub>. The length of the resulting stain is the measure of SO<sub>2</sub> concentration.

Each Model A-00621A Analyzer is shipped with a supply of long-life absorption chemicals.

SEE REVERSE SIDE FOR AVAILABLE MODELS AND COMPLETE SPECIFICATIONS.

# model A-00621-AO Orsat

## specifications

### FOR MEASUREMENT OF O<sub>2</sub>, CO<sub>2</sub> AND CO

RANGE	SCALE GRADUATIONS	READABILITY	BURETTE CAPACITY (CC)	MODEL NUMBER	PRICE
0 - 20%	0.2%	.1%	50	A-00621-AO-A02	
0 - 35%	0.2%	.1%	50	A-00621-AO-A05	
0 - 50%	0.2%	.1%	100	A-00621-AO-A06	

### FOR SO<sub>2</sub> MEASUREMENT (Optional—added to Model A00621-AO-A06 only.)

0 - 3000 ppm	.02	100 ppm SO <sub>2</sub>	N/A	A-00621-AO-A07	
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**NOTE:** One set of absorption chemicals and one instruction manual furnished with each Model A-00621-AO Gas Analyzer.

### REPLACEMENT CHEMICALS

ABSORPTION CHEMICAL	AMOUNT	PART NO.	CAPACITY/ CHARGE	PRICE
Cardisorber for CO <sub>2</sub>	6 oz.	1234-008N	10,000 cc CO <sub>2</sub>	
Seez O <sub>2</sub> for o <sub>2</sub>	6 oz.	1234-005N	4,000 cc O <sub>2</sub>	
Cuprous Chloride for CO	6 oz.	1234-009N	35 cc CO	
SO <sub>2</sub> Tubes	10 tubes	1204-009N	1 tube/Analysis	
Cleaning Solution	6 oz.	1234-004N	—	

**NOTE:** Assuming daily usage, the above quantities are nominally a 3 months' supply.

**Terms:** Net 30 days

**F.O.B.** factory, Michigan City, Indiana

**Normal Delivery:** Orsats, 5 to 6 weeks  
Chemicals—4 weeks

Shipment may be specified by any means except any method of U.S. Mail or air freight.

**Prices subject to change without notice.**

**Orders will be billed at current prices.**