



# Benchtop Gas Chromatograph

**Model - 7100 zNOSE®**

## Features

- Detects Hydrocarbons – C4 to C25
- Portable
- Quantitative
- Qualitative Analysis
- Exceptional Sensitivity
- Analyze Vapors In 5 - 60 Seconds
- Bluetooth or RS-232 User Settable
- Display on Laptop
- AC Power

A proprietary Surface Acoustic Wave (SAW) detector results in a system with previously unattainable sensitivity in a portable low-cost package.

## Description


- **Carrier Gas:** Helium, 12-24 hours depending on use
- **Analysis Time:** 5 – 60 Seconds
- **To Display:** Complete chromatogram, VaporPrint®  
Pattern Simple bar graph display with alarm

## Application

The 7100 zNOSE® Vapor detector and analyzer identify the vapors as low as parts-per- trillion concentrations and amounts less than 50 picograms.



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DIVISIONS OF  
 US NUCLEAR CORP

7051 ETON AVENUE, CANOGA PARK, CA 91303 | 818-883-7043 | F: 818-883-6103  
RGOLDSTEINTA@USNUCLEARCORP.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

# Benchtop Gas Chromatograph

## Model - 7100 zNOSE®

### Specifications

**Detector:** Surface Acoustic Wave (SAW) Quartz microbalance  
**Dynamic Range:**  $2 \times 10^4$   
**Temperature:** 0° C to 125° C, programmable  
**Detects:** C4 to C25  
**Sensitivity:** Parts per billion for many compounds in 10 seconds  
Sensitivity will vary by compound sampling time, matrix, interferences & detector temperature ranges.

**Accuracy:** <2% standard deviation

**Dynamic Range:**  $10^6 \pm 10\%$

#### Sampling:

**Sample Pump:** Internal

**Sample Introduction:** ~.5 ml/sec

**Sample Time:** 1-300 seconds, User Settable

**Carrier Gas:** Helium, HP – 12 – 24 hours depending on use

#### Column:

**Limits:** 35°C to 200°C -depending on column

**Ramping:** Isothermal or ramped from 1 – 18° C/sec

#### Environment:

**Operating Temperature:** 32°F to 105° (0°C to 40°C)

**Relative Humidity:** 0 – 95% non-condensing

**Power:** 120 – 240 VAC at 250 watts MAX (50 watts typical)

#### Weight & Dimensions:

##### Sampler:

**Weight:** 30 lbs (13.6 kg)

**Length:** 14.3 in (36.3 cm)

**Width:** 14.3 in (36.3 cm)

**Height:** 7.5 in (19 cm)

#### Inlet Connection / Temperature


**Inlet Port:** Stainless steel LUER

**Temperature:** 50°C to 200°C

**System Controller Software:** Notebook Controller configured and integrated with Laptop Computer with Windows (English)



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