

BENCHTOP GAS CHROMATOGRAPH

Model ~ 7100 zNOSE®

FEATURES:

- DETECTS HYDROCARBONS – C4 TO C25
- DISPLAY TWO OPERATOR LEVELS
 - COMPLETE CHROMATOGRAM
 - SIMPLE BAR GRAPH
- EXCEPTIONAL SENSITIVITY
- ANALYZE VAPORS IN 10 – 60 SECONDS
- INTERNAL SAMPLE PUMP
- DISPLAY ON LAPTOP
- AC POWER



APPLICATION:

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

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, HP 12-24 hours depending on use
- Analysis Time: 10 – 60 Seconds
- Two Displays: Complete chromatogram, VaporPrint® Pattern
Simple bar graph display with alarm



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BENCHTOP GAS CHROMATOGRAPH

Model ~ 7100 zNOSE®

SPECIFICATIONS:

Detector: Surface Acoustic Wave (SAW) Quartz microbalance
Dynamic Range: 2×10^4
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:

Weight: 30 lbs (13.6 kg)
Depth: 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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