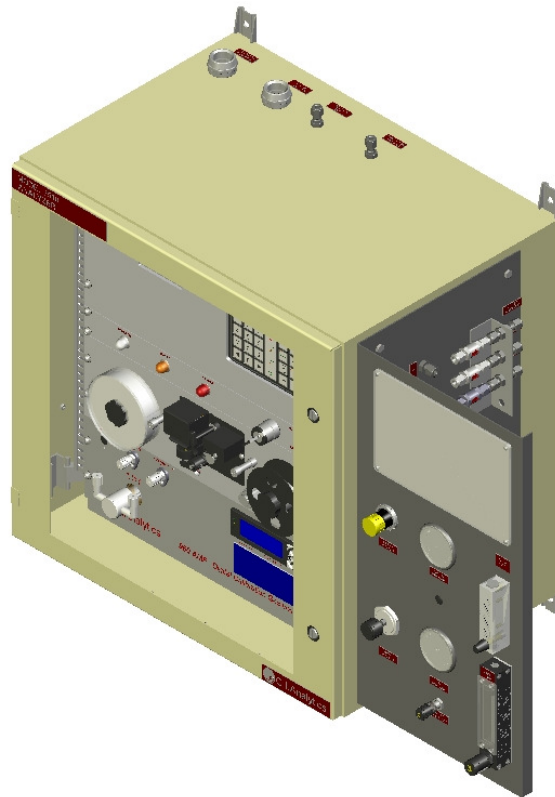


OUTSTANDING TECHNICAL SUPPORT

Got questions ? Does your facility have special analytical needs? Our engineering team is ready to provide you with the answers. For more information on our products and services we invite you to visit us on the Web at www.cianalytics.com or call us today at 001-450-658-4965 .



The Cost-Effective Elemental Process Analyzer

When your requirements to measure an impurity are fixed and resolute, our 7510 Cost-Effective Process Analyzer provides results as equally certain as your needs are steady.

Our 7510 model is designed for online use in industrial settings and is capable of detecting any one of several types of impurities.

The 7510 utilizes our dry colorimetric methods, which involves the use of Sensi-Tapes®. These tapes are formulated to react instantly when exposed to the target impurity and change color in direct proportion to its concentration. A photo-optical system then compares the tape color to a standard response curve.

All 7510 analyzers come to your door, factory calibrated for one impurity and ready to use.

Highlights

- With the optional built-in calibrator, the user can carry out simple and straightforward calibration checks. You get it all in one package without the need to buy expensive calibration standards.
- Options such as dilution systems, MODBUS or Ethernet interfaces, mean the 7510 offers expanded analytical, operating and reporting capabilities to suit your needs.
- Use of safe, non-toxic Sensi-Tapes® in our dry colorimetric methods means that no special precautions are required in handling. No special regulations govern transportation or disposal.

Application	Typical Range*
Ammonia (NH ₃)	32 ppb - 25 ppm
Arsine (AsH ₃)	1 ppb - 750 ppb
Chlorine (Cl ₂)	5 ppb - 10 ppm
Hydrogen Chloride (HCl)	48 ppb - 15 ppm
Hydrogen Cyanide (HCN)	50 ppb - 500 ppb
Hydrogen Fluoride (HF)	600 ppb - 9 ppm
Hydrogen Sulfide (H ₂ S)	2 ppb - 2000 ppm
Nitrogen Dioxide (NO ₂)	25 ppb - 15 ppm
Phosgene (COCl ₂)	1 ppb - 4 ppm
Phosphine (PH ₃)	7 ppb - 3 ppm
Sulfur Dioxide (SO ₂)	10 ppb - 20 ppm

*Other ranges and applications available upon request

MODEL 7510 TECHNICAL SPECIFICATIONS

No. of Simultaneous Detectable Impurities	1
Repeatability	Better than $\pm 2\%$ of reading at $> 10\%$ of full scale value
Sample Phase Upon Entry	Gas or non-recondensing liquids
Analysis Time	2 to 900 seconds; dependent upon concentration and sample phase
Measurement Technique	Dry colorimetric Sensi-Tape® detection with solid state optics source
Humidification Technique	Permeable membrane permits the one-way mixing of water with the sample stream (application-specific)
Stability	Automatic re-zero compensation
Calibration	Field-selectable dynamic calibration checks (with optional calibration inlet or built-in calibrator)
Signal Output	One (1) 4-20 mA output (Isolation exceeds 1500 VAC, maximum load impedance: 800 Ω)
Alarm / Status Relays	Six (6) SPDT Relays: <ul style="list-style-type: none"> • Instrument Fault • Concentration Alarm Level 1 • Concentration Alarm Level 2 • Maintenance Fault (Low Sensi-Tape® Supply) • Dynamic Calibration in Progress • Auxiliary (application-specific)
User Interface	Membrane keypad, back-lit LCD display
Power Requirements	110/120 VAC or 220/240 VAC, 50/60 Hz, 90 VA
Hazardous Location Classification	Class I Div 2 Group B (Group C, D optional), ATEX Classification (optional)
Hazardous Location Protection Methods	Purged and pressurized enclosure
Operating Temperature Range	32°F to 104°F (0°C to 40°C) Other ranges may be accommodated with optional enclosure temperature control
Dimensions	25" (H) x 38" (W) x 17" (D) (64 cm x 97 cm x 43 cm)
Weight	115 lbs (52 kg)

Options

- | | |
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| <ul style="list-style-type: none"> - ATEX Certification - Built-In Calibration Generator - Calibration Inlet - Enclosure Cooler with Thermostat - Enclosure Heater with Thermostat - Fast Loop Particulate Filter - High-Pressure Sample Regulator - MODBUS-RTU Interface (RS-485) - Ethernet Communication Interface | <ul style="list-style-type: none"> - Dilution System - Gas Sample Pump - Scrubber - NEMA 4X Stainless Steel Enclosure - Remote Analysis Trigger - Sample Line Dryer - Sample Vaporizing Regulator - Extended-Capacity Sensi-Tape® Transport - Class I Div 2 Group C & D |
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