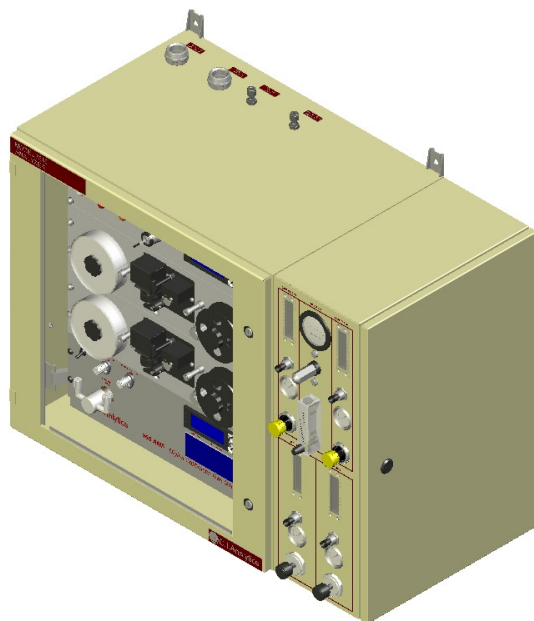


**OUTSTANDING
TECHNICAL
SUPPORT**

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 .



7550 Process Analyzer
(shown with two detectors and optional calibrator)

Multi-Detector Elemental Process Analyzer

When your requirements to measure up to three (3) impurities are fixed and resolute, our 7550 Multi-Detector Process Analyzer provides results as equally certain as your needs are steady.

Our 7550 model is designed for online use in industrial settings and is capable of simultaneously detecting three different impurities in your sample stream.

The 7550 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 curves.

All 7550 analyzers come to your door, factory calibrated with your choice of calibration curves and are ready to use.

Highlights

- Optional built-in calibrator allows the user to carry out simple and straightforward calibration checks. You get it all in one package without the need to buy expensive calibration standards.
- Your choice of up to three (3) impurities combined with options such as ATEX certification, MODBUS or Ethernet interfaces, allows the 7550 to be tailored to your specific 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 7550 TECHNICAL SPECIFICATIONS

No. of Simultaneous Detectable Impurities	3 or 2 (with built-in calibrator option)
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	Multiple 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 per detector (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	Multi-function keypad, back-lit graphic LCD display
Power Requirements	110/120 VAC or 220/240 VAC, 50/60 Hz, 90 VA
Hazardous Location Classifications	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) (64cm x 97cm x 43cm) two impurity, without calibrator
Weight	115 lbs (52 kg)

OPTIONAL FEATURES

- 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
- Dilution System
- Gas Sample Pump
- Scrubber
- NEMA 4X Stainless Steel Enclosure
- Remote Calibration Trigger
- Remote Analysis Trigger
- Sample Line Dryer
- Sample Vaporizing Regulator
- Class I Div 2 Group C & D