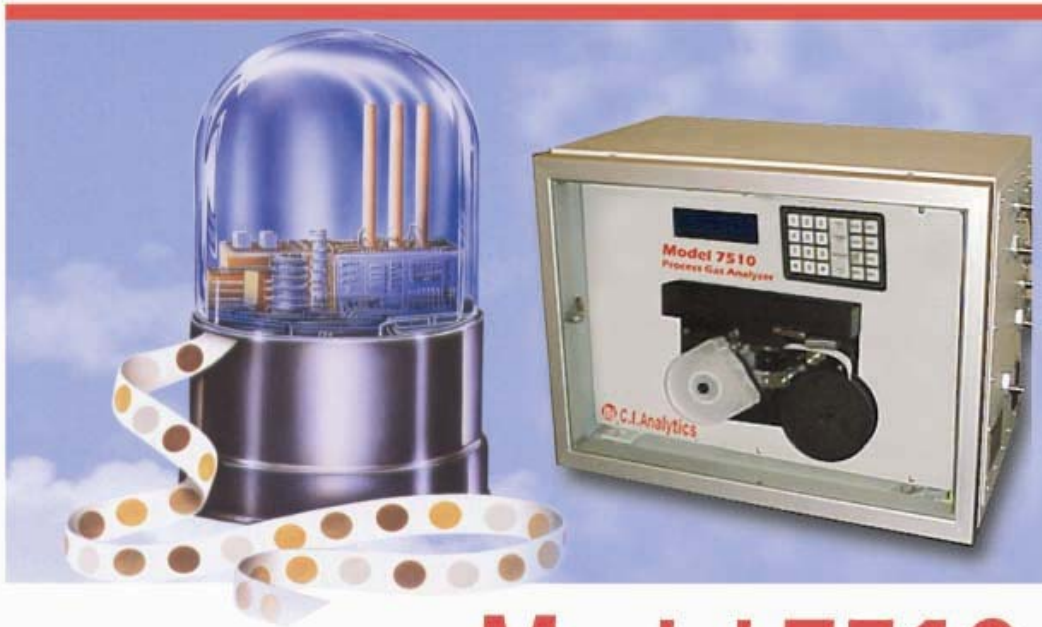


Ultra Sensitive Gas Analyzer



Model 7510

Absolute Protection Without Interference

Detect impurities at PBB levels
with an analyzer that is rugged,
gas specific and customized
to your application.

 **C.I. Analytics**

450-658-4965
www.cianalytics.com

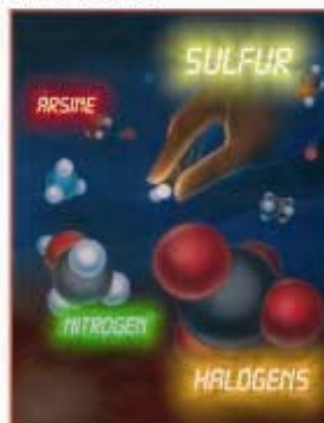
Model 7510 NOW A RUGGED, ultra sensitive analyzer that puts reliable monitoring where you need it.

TECHNICAL DATA SPECIFICATIONS MODEL 7510

Measuring Range :	As high as 500 ppm without dilution (gas - specific - see chart)
Lower detectable Limit :	As low as 1 ppb (gas-specific - see chart)
Repeatability :	Application / Gas Specific
Accuracy :	Application / Gas Specific
Zero Drift :	Automatic re-zero compensation (negligible drift)
Measurement Technique :	Colorimetric means, based on color change on active Chemcassette, algorithm based
Humidification Technique : (Optional)	Passive permeable membrane does not require or allow mixing of sample gas and humidifying liquid
Calibration :	Optical verification required once every 30 days, field-programmable dynamic calibration
Analysis Time :	As fast as 10 seconds (gas-specific, based on alarm level - see chart)
Hazardous Location :	Purge option-call C.I.Analytics
Required Inputs :	Sample gas/liquid (less than 1000 cc/min @ 2 psig) AC line voltage (see below)
Signal Outputs:	4 - 20 mA (galvanic isolation shall exceed 1500 VAC, maximum load 800 Ohms Relay logic (see below)
Impedance :	
User Interface :	Membrane style keypad, back-lit LCD displays
Alarm Contacts :	SPDT relays - instrument fault - Alarm level 1 - Alarm level 2 - Maintenance (low Chemcassette supply) - Dynamic calibration in process - Auxiliary (optional used : audio alarm contact, no monitoring notification)
Fuse Rating : (Relay Contacts)	6.3 Amps, 250 VAC, 5 X 20 mm, quick acting
Power Requirements :	3 Amps maximum @ 220/230/240 VAC, 50/60 Hz
Power Switch Rating :	6 Amps @ 380 VAC Flameproof, increased safety (IEE d e), Zone 1, IIC, T6 (IP66)
Fuse Rating : (Power Supplies)	0.5 Amps and 0.4 Amps, 250 VAC, 5 X 20 mm, quick acting (100/120 Vac system) 1 Amp and 0.8 Amps, 250 VAC, 5 X 20 mm, quick acting (220/230/240 VAC system)
Operating Temperature : Range	0 to 40° C (32 to 104° F) (Temperatures outside this range can be met with optional heating/cooling)
Operating Humidity :	Range 0% RH to 99% RH
Operational Altitude :	Range 0 to 1,524 meters (5,000 feet) above mean sea level
Dimensions :	61 cm (H) x 61 cm (W) x 38.1 cm (D) (24 x 24 x 15)
Weight approximately :	120 lbs

Typical Application

Arsine in Ethylene / Propylene
Ammonia in Ethylene / Propylene
Ammonia in Waste Water
Arsine in drinking Water
HCN in Recycle Gas
Hydrogen Chloride in Hydrocarbons
HF Hydrocarbons



Model 7510 Detectable Gases

Gas	Range
*Ammonia (NH ₃)	64 ppb - 50 ppm
*Arsine (AsH ₃)	1 ppb - 750 ppm
Chlorine (Cl ₂)	5 ppb - 10 ppm
*Hydrogen Chloride (HCl)	96 ppb - 12 ppm
Hydrogen Cyanide (HCN)	50 ppb - 500 ppm
Hydrogen Fluoride (HF)	156 ppb - 30 ppm
*Hydrogen Sulfide (H ₂ S)	2 ppb - 250 ppm
Nitrogen Dioxide (NO ₂)	25 ppb - 15 ppm
*Phosgene (COCl ₂)	25 ppb - 15 ppm
Phosphine (PH ₃)	7 ppb - 3 ppm
Sulfur dioxide (SO ₂)	10 ppb - 20 ppm

* Calibrations currently available



C.I. Analytics

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