Multiplelabs™
Turnkey Laboratories Solutions

Analytical®
Technologies Limited

AMBIENT POLLUTION CONTROL ANALYZER

PCA 3000 Series

EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

CO ANALYZER

ATL 3650 CO Analyzer provides an accurate and convenient means of measuring low levels of Carbon Monoxide in ambient air. Principle of Analysis - Gas Filter Correlation.
Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for CO readings. The 3650 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232.

SPECIAL FEATURES

- ✓ Ranges: User Selectable upto 200 PPM
- ✓ Large color TFT LCD displays measured concentrations and graphs/charts
- ✓ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ✓ Menu driven software
- ✓ Ethernet (TCP/IP), USB and RS-232 ports
- ✓ Front panel USB connections for peripheral devices and firmware updates
- ✓ Automatic temperature and pressure compensation
- ✓ Comprehensive internal data logging
- ✓ MODBUS protocol
- ✓ Universal Line voltage in the range of 90-260 VAC, 50/60Hz

NOx ANALYZER

ATL 3640 NOx Analyzer provides an accurate and convenient means of measuring low levels of Nitrogen Oxides in ambient air. Principle of Analysis - Chemiluminescence Method. Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for NO, NO2, NOx readings. The 3640 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232.

SPECIAL FEATURES

- ✓ Ranges: User Selectable upto 10 PPM
- ✓ Large color TFT LCD displays measured concentrationsand graphs/charts
- ✓ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ✓ Menu driven software
- ✓ Ethernet (TCP/IP), USB and RS-232 ports
- ✓ Front panel USB connections for peripheral devices and firmware updates
- ✓ Automatic temperature and pressure compensation
- ✓ Comprehensive internal data logging
- ✓ MODBUS protocol
- ✓ Universal Line voltage in the range of 90-260 VAC, 50/60Hz

SOx ANALYZER

ATL 3620 SO2 Analyzer provides an accurate, convenient means of measuring low levels of Sulfur Dioxide in ambient air. The Model 3620 measures sulfur dioxide by detecting the fluorescence of SO2 when exposed to ultraviolet (UV) radiation at wave lengths near 214 nm. The SO2 molecule fluoresces(re-radiates) at longer wavelengths of approximately 360nm, which is detected & measured by a photo multiplier tube (PMT). Narrow band optical filters are used to separate 215 nm excitation light from the 360 nm fluorescing light. The Model 3620 consists of a sample inlet, hydrocarbon scrubber optics, UV lamp, reaction chamber, PMT, UV detector, and associated electronics. Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for ozone readings..

SPECIAL FEATURES

- ✓ Ranges: 0 - 50 PPB to 0 - 10 PPM (500 PPB US EPA Approved)
- ✓ Large color TFT LCD display
- ✓ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ✓ Menu driven software
- ✓ Ethernet, USB and RS-232/485 ports
- ✓ Front panel USB connections for peripheral devices and firmware updates
- ✓ Four independent analog outputs with flexible ranges
- ✓ 8 digital input/outputs (I/Os)
- ✓ Automatic temperature and pressure compensation
- ✓ Comprehensive internal data logging
- ✓ MODBUS protocol

OZONE ANALYZER

ATL 3630 Ozone Analyzer provides an accurate and convenient means of measuring low levels of ozone in ambient air. Using the Beer-Lambert law, ozone is measured in a single photometric cell by detecting the absorption of ultraviolet (UV) radiation from ozone molecules at a wavelength of 254 nm. Real-time comparison of the UV light intensity for the sample gas to the reference gas yields a precise concentration of ozone. The single cell design reduces the complexity of the ozone measurement and automatically eliminates zero drift. Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for ozone readings. The 3630 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232/485

SPECIAL FEATURES

- ✓ Ranges: 0 - 50 PPB to 0 - 10 PPM
- ✓ 8 second cycle time for fast response
- ✓ Large color TFT LCD display
- ✓ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ✓ Menu driven software
- ✓ Ethernet, USB and RS-232/485 ports
- ✓ Front panel USB connections for peripheral devices and firmware updates
- ✓ Four independent analog outputs with flexible ranges
- ✓ 8 digital input/outputs (I/Os)
- ✓ Automatic temperature and pressure compensation
- ✓ Comprehensive internal data logging
- ✓ MODBUS protocol

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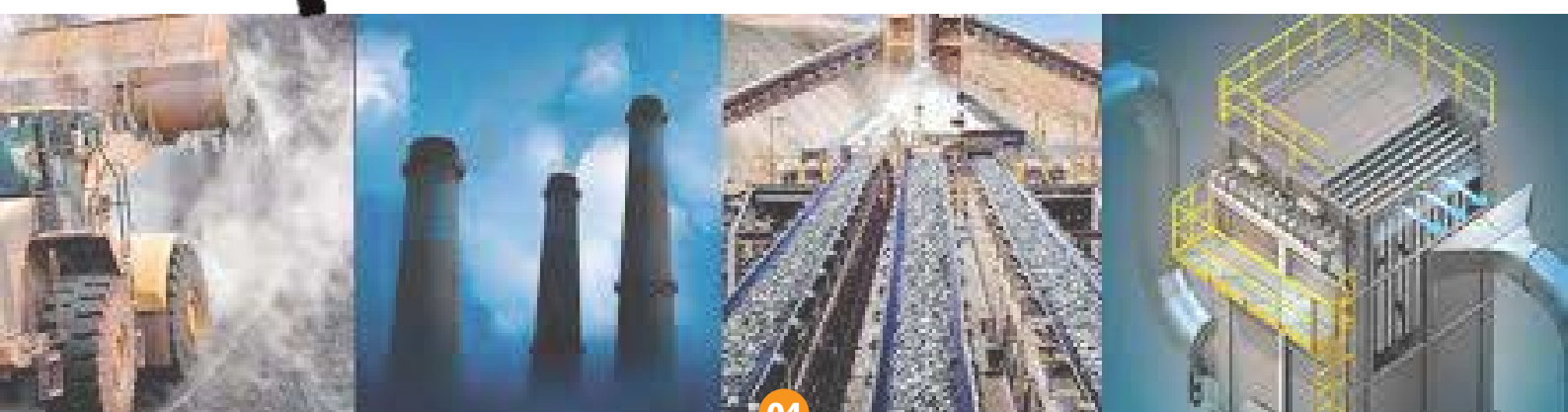
H2S ANALYZER

ATL 3622 UV H2S Analyzer provides accurate measurement of CS (Combined Sulfur) or H2S (Hydrogen Sulfide) gas in air or low source levels from industrial processes. The Model 3622 H2S analyzer uses the same optical bench as the Model 6020 UV Sulfur Dioxide analyzer. An efficient H2S converter thermally converts H2S to SO2. SO2 (Sulfur Dioxide) gas that may be present in the sample gas passes through the H2S converter unaffected. H2S and SO2 combined in the sample gas is called CS. If H2S gas is the gas of interest, a SOx (SO2 Scrubber) is attached to the rear of the Model 3622 and plumbed in series to remove any SO2 that may be present. If there are other sulfur gases present in the sample gas, they will pass through the SOx scrubber and H2S converter unaffected and not measured.

Advanced, easy to use, menu-driven software allows access to sample conditions and diagnostics and the strip chart feature allows the user to view a time series plot for SO2 readings.
The 3622 Analyzer offers a bright color display, data logging capability and advanced communications via Ethernet, USB and RS-232/485.

SPECIAL FEATURES

- ✓ Ranges: 0 - 25 PPB to 0 - 2 PPM user set
- ✓ Large color TFT LCD display
- ✓ Various user interface options including touch screen, front panel keypad, external keyboard and mouse
- ✓ Menu driven software
- ✓ Ethernet, USB and RS-232/485 ports
- ✓ Front panel USB connections for peripheral devices and firmware updates
- ✓ Automatic temperature and pressure compensation
- ✓ Comprehensive internal data logging
- ✓ MODBUS protocol



SPECIFICATIONS

PCA 3000 Series	CO	NOx	OZONE	SOx	H_2S
EPA Approved Ranges	0-1ppm, 0-1000ppm	0-50,0-500,0-10000ppb	0-500ppb,0-1ppm	0-500ppb	0-25ppb to 0-2ppm
Sensor Technology	Gas Filter Corelation	Chemiluminescence	UV Absorption	Fluorescence	
Noise	<0.02ppm	<0.2ppb	< 0.3ppb	< 0.0005ppm	<0.0005ppm
Lower Detectable Limit	<0.04ppm	<0.4ppb	< 0.4ppb	< 1ppb	< 1ppb
Zero Drift	<±0.1ppm per 24 hrs	<±0.5ppb per 24 hrs	< 1ppb per month	< ±.003ppm per 24 hrs	<±0.003ppm per 24 hrs
Span Drift	0.5% F.S per 24 hrs	<±1% F.S per 24 hrs	< 1% per month	< ±1% URL per 24 hrs	<±1 % URL per 24 hrs
Cycle Time	-	-	8 seconds	1 sample/second	1 sample/second
Precision	0.5% of F.S	<1% of F.S	< 0.5%	< 1% of URL	<1% of URL
Linearity	<1% of F.S	<1% of F.S	-	-	<1% of F.S
Sample Flow Rate	0.5 to 1.0 LPM	0.4 to 0.8 LPM	0.5 to 1 LPM	0.4 to 0.8 LPM	0.4 to 0.8 LPM
Operating Temperature	5° to 45°C	5° to 45°C	5° to 45°C	5° to 40° C	5° to 40° C
Operating Humidity	-	-	0 to 90% non-condensing	0 to 90% non-condensing	
Power Requirements	220 VAC 50 Hz / 200 Watts				
Voltage Output Ranges	0.1V, 1V, 2V, 5V, 10V, user-selectable			0.1V, 1V, 2V, 5V, 10V, user selectable	0.1V, 1V, 2V, 5V, 10V, user-selectable
Input/Output Ports	Rear Panel: Ethernet, USB Device, USB Host, RS-232/485			0.1V,1V,5V,10V or other, user selectable with over & under range	
Physical Dimensions	133 x 432 x 571.5 mm			133 x 432 x 571.5 mm	133 x 432 x 571.5 mm
Weight	25 lbs.(10.3 kg)	25 lbs.(10.3 kg)	23 lbs.(10.3 kg)	25 lbs.(10.3 kg)	25 lbs.(10.3 kg)
Certification	US EPA: RFCA-0817-248	US EPA: RFNA-0418-250	US EPA: EQOA-0415-222	US EPA: RFSA-0616-237	US EPA: RFSA-0616-237

Regulatory compliances

Corporate Social Responsibility

Analytical Foundation

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:

1.Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personallities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at **info@analyticalfoundation.org**

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @

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