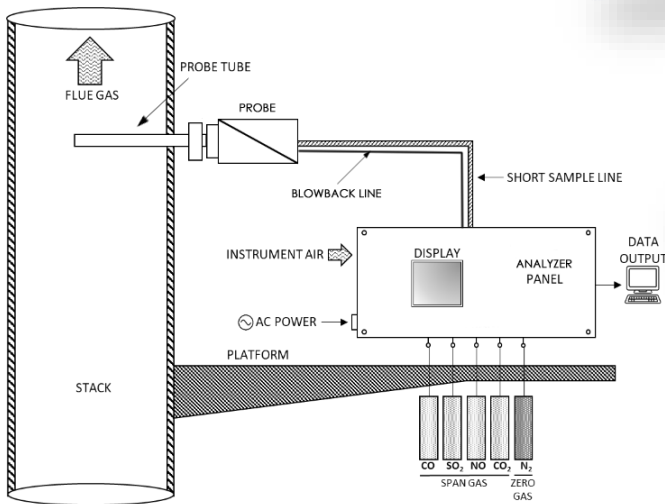


### Multi-Element Gas Analyzer

#### Product Description

Low cost and compact multi-element gas analyzer with integrated sample conditioner and probe stinger, mounted on stack or process location for continuous emissions monitoring and reporting. The flue gas sample flows through the probe and a short heated sample line bundle for simultaneous measurement of targeted elements by multi-component analyzer bench with automatic verification against standard span gases.



Instrument components are not to scale. Please refer to the Product Specifications section for analyzer and probe dimensions.

#### Features and Benefits

- ✓ Measures multiple gases simultaneously with NDIR eliminating the need for additional instruments.
- ✓ Low cost emissions reporting and process control with quick ROI benefits
- ✓ Compact and lightweight stack mounted or process analyzer with very short sample line eliminates the need for expensive extractive systems
- ✓ Selectable probe lengths for small to large stacks
- ✓ Quick warm up and fast response time suitable for closed loop process control
- ✓ High data availability rate

#### Flue Gases Measured Simultaneously under NDIR

Carbon Monoxide (CO)
Carbon Dioxide (CO <sub>2</sub> )
Sulfur Dioxide (SO <sub>2</sub> )
Nitrogen Oxides (NO <sub>x</sub> )
Oxygen (O <sub>2</sub> )

**Please contact us for additional measurable gases**

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### Multi-Element Gas Analyzer

Product Specifications				
<b>Analyzer &amp; Sampling System</b>	<b>Weight</b>	Analyzer Box (w/o AC) – 120 lbs. Analyzer Box (w/ AC) – 150 lbs.	<b>HMI/Display</b>	3.5 inch Touch Screen (IP66) interface for real-time display, settings, and controls
	<b>Dimensions</b>	Analyzer Box 24"W x 31"H x 10"D Analyzer Box w/AC & Chiller 36"W x 31"H x 10"D	<b>Resolution</b>	0.5% of full scale
	<b>Accuracy</b>	± 2% of full scale	<b>Repeatability</b>	± 2% of full scale
	<b>Range</b>	0-1,000 to 0-5,000 ppm Standard	<b>Linearity</b>	± 2% of full scale fitted to theoretical curve
	<b>Response Time* T90</b>	120 Secs at 10 feet sample line	<b>Noise</b>	< than 1% of full scale
	<b>Ambient Temperature</b>	40° C maximum	<b>Zero Drift</b>	± 2% of full scale per 24 hours
	<b>Enclosure Rating</b>	Fiber Glass NEMA 4X	<b>Span Drift</b>	± 2% of full scale per 24 hours
	<b>Sample Inlet Temperature</b>	140° C Standard 180° C Optional	<b>Sample Outlet Temperature</b>	4° C (39.2° F) rated
	<b>Sample Inlet Dew Point</b>	80° C (176° F) maximum	<b>Interconnect Cable</b>	3.05m (10 ft.) 12-core shielded PVC insulated cable standard
	<b>Output (1)</b>	4.20 mA for each gas	<b>Sample Line Bundle</b>	3.05m (10 ft.) 3/8 NPT heated and self-regulated at 140° C (284° F) standard
	<b>Output (2)</b>	MODBUS over TCP/IP Ethernet		
<b>Probe</b>	<b>Size</b>	395.55 x 364.15 x 178 mm (15.57 x 14.33 x 7 in)	<b>Probe Length</b>	2m (6 ft.) standard and application dependent
	<b>Weight</b>	14.5 kg (31.97 lbs.)	<b>Stack Temperature Gas</b>	300° C (572° F) maximum
	<b>Dust Loading</b>	1 g/m <sup>3</sup> maximum	<b>Stack Gas Pressure</b>	200 KpA Abs
	<b>Approvals</b>	CE	<b>Stack Gas Flow</b>	10,000 m <sup>3</sup> /min (353,147 CFM) maximum
	<b>Ambient Temperature</b>	-30° to 60° C (-22° to 140° F)	<b>Probe Filter Element</b>	Pore size 2 um 40/20 x 135 mm (5.32 in), option surface coated 0.2 um
<b>Services</b>	<b>Power</b>	2,000 Watts	<b>Air Consumption</b>	30 SCFM
	<b>AC Voltage</b>	230 /110 V, 50/60 Hz	<b>Instrument air Dew Point</b>	-40° C (-40 F °)
	<b>Instrument Air Pressure</b>	7.03 kg/cm <sup>2</sup> (6.89 Bar, 100 psi) *Clean, Dry, Oil Free Instrument Grade Air required	<b>Stack Flange</b>	DN65/PN6 acc. EN 1092-1 Form A
Please fill out the Application Questionnaire to determine the specific customizations required for your application. Specifications are subject to change without notice. Please contact Ohio Lumex for the most accurate instrument information.				

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