

FLUE GAS ANALYZER

Sr#	Description	Qty
1	Flue Gas Analyzer for Exhaust Gases of Incinerator Real-time continuous monitoring concentration of CO, CO ₂ , NO, CO, CO ₂ CH ₄ and Zirconia method of O ₂ (As per specification attached)	One
2	Non Dispersive Infrared (NDIR) Gas Sensors for each Gas Component: CO, CO ₂ , SO ₂ , NO, CH ₄	2 (for each gas)
3	Zirconia Method O₂ Gas Sensors	2
4	Spare Parts, Connectors for maintenance of up to five years should also be quoted	

Notes:

- a. Technical specifications of the offered items must be provided with the quotation.
- b. Make and country of origin of offered items should be mentioned in the quotation.

Incinerator Flue Gas Analyzer:

General Specification:

- Real time continuous emissions monitoring fixed gas detector for combustion control
- Measure multiple gases without interference simultaneously with no additional instrument needed
- Sampling flow rate fluctuations have no effect on the measurement results.
- Diagnostic function can check sensor status.
- Accurate measurement of low concentration gas
- The large LCD screen with clear display assures simple operation
- Stack mountable or ground installation
- Easy maintenance and inexpensive to operate
- Corrosion-resistant materials in the gas path for measuring highly corrosive sample gases
- Supports low detection limits and reliable measurement in complex gas mixtures

Technical Specification:

Measuring object:	Exhaust gases of Incinerator
Measurable components:	NO, SO ₂ , CO, CO ₂ , O ₂ and CH ₄
Analysis Method:	Non Dispersive Infrared Method (single beam), Zirconia method for O ₂
Body material:	Aluminum, Stainless Steel
Measurement Ranges:	

Gases	Range (ppm)	Gases	Range (ppm)
CO	0-200	NO	0-1000
CO ₂	0-500	CH ₄	0-1000
SO ₂	0-1000	O ₂	25%

Gas extraction volume:	1 L/min. \pm 0.5 L/min.
Noise:	< 1% of full scale
Resolution:	< 0.1% of full scale
Accuracy:	< 2% of full scale
Linearity:	\pm 1 FS
Repeatability:	\pm 0.5 FS (Infrared method)
Zero/span drift:	< 1% of FS per 24 hours
Response time:	90% of full scale within 10-15 seconds
Ambient temperature:	- 5 C to 55 C
Gas Temperature:	800 -1000 C
Ambient Humidity:	Less than 90 RH
Power requirements:	100 -240 VAC, 50-60Hz, 70VA
Output Available:	4-20 mA DC
Functions:	Range identification of each component, Instrument error, Calibration error, Auto calibration in progress, CO peak count alarm, Instantaneous value concentration alarm for each component, Pump ON/OFF
Weight:	About 10 kg