

PORTABLE
MULTI GAS ANALYSER
MICROPROCESSOR BASED

FOR
COAL GASIFICATION
BLAST FURNACE
BIO GAS
HEAT TREATMENT
FURNACE APPLICATIONS



MODEL - PA 2400 S

A COMPLETE VERSATILE, MULTI - FUNCTIONAL PORTABLE GAS ANALYSER FOR INSTANT AND ACCURATE DATA

WITH OPTIONS TO USE PC INTERFACE, DATA LOGGER, INTEGRAL PRINTER, DATE & TIME

SPECIAL FEATURES

- Measures CO, CO₂, CH₄, H₂ & O₂ Simultaneously with IR & MEMS Technologies.
- Portable, compact and rugged.
- Complete Automatic Operation.
- 16 Character, 2 line LCD displays messages and values through the operation of the analyser.
- Self check facility and a special software ensures accurate analysis data.
- Battery operating period of 4 hours.
- Inbuilt buzzer acoustically announces various stages of operation.
- A mere six key to operate the complete instrument.
- Visual alarms for low Battery, No Flow and Sensor Fault.
- Automatic sampling & Analysis for specified periods at preset intervals completely unattended.

A Portable Gas Analyser, Capable of Simultaneous determination of CO, CO₂, H₂, O₂, Etc.

And replacing many different gas analysers. has been designed particularly for underground Coal mines. Its inbuilt micro pump sample the gases from the surrounding or the sample collection & instantly analyses & displays concentration on the Backlit Led.

Its Micro control based digital electronic coupled with Infrared & MEMS based sensors that require almost maintenance make the analyser highly accurate & indispensable tool for Predictive maintenance & Preventive actions to avoid emergencies.

The Portable analyser works on both Battery & manpower it can be used at a fixed or semi permanent site & form part of the equipment of a control center for rescue or other emergency work.

SPECIFICATIONS

Gas Concentration	:	Custom Mounted CO	0 - 10%
	:	Carbon Dioxide Co ₂	0 - 100%
	:	Methane Ch ₄	0 - 100%
	:	Oxygen O ₂	0 - 25%
	:	Hydrogen H ₂	0 - 5%
Display	:	High Quality Alpha-numeric LCD. (16 character, 2 lines)	
Sampling	:	Through inbuilt Sampling Pump.	
Automatic Calibration	:	Automatic at instrument start up with fresh air sample 1) Fresh air for oxygen 2) Span gases for others.	
Response Time	:	30 Seconds at 95% variation.	
Power Supply	:	110V or 220V & AC Ni-cad battery pack with integral charger.	
Working Temperature	:	-5 to 55°C	
Storage Temperature	:	-20 to 50°C	
Resolution	:	0.1 %	
Accuracy	:	+/- 2 %	
Probe Length	:	SS 600 mm length standard (900 & 1200 mm optional)	
Probe Diameter	:	8mm	
Connection Hose (Probe Unit)	:	2.0 meters, special lengths on order.	
Battery Life	:	4 Hours continuous operation.	
Data Memory	:	250 Full analysis.	
Printer	:	Impact type 24 columns.	
Printing Speed	:	0.75 lines / seconds.	
Alarms	:	Visual and audible, 4 Alarms	
Digital Interface	:	RS 232	
Case	:	Rigid Aluminum	
External Dimensions	:	310 x 205 x 200 mm	
Weight	:	5.2 kg. (approximately)	
Line Filter	:	Replaceable 5 microns	
Accessories	:	Water Trap, Battery Charger 220V/50HZ, Carrying Case.	

The above Parameter and Ranges are only indicative. Endee will build up and supply the analyser with Parameters, range and features to any Practical Configuration.

Note : Specifications and Features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. Due to endee's commitment to research, design and product improvement, specifications are subject to change without notice.



ENDEE ENGINEERS PVT. LTD.

Office : 25/N, Laxmi Industrial Estate, Link Road, Andheri (W), Mumbai - 400 053.

Tel. : 6692 3081 / 82 | Fax : 2637 5973

Email : sales@endee-engineers.com | info@endee-engineers.com

Website : www.endee-engineers.com