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TECHNOVATION Analytical Instruments Pvt.Ltd

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Certified ISO 9001 : 2000 by



CERT. NO. 217910

MODEL FGM % O₂, CO FLUE-GAS MONITOR

THE INSTRUMENT

THE TECHNOVATION COMBUSTION MONITOR MODEL FGM is a small portable battery powered gas analyser measuring % OXYGEN, CARBON MONOXIDE readings which are displayed on a 3½ digit 12mm high LCD. The gas probe is a single copper tube combined with a filter. A rubber connecting hose is provided to connect it to the instrument.

FEATURES

- Compact, light weight & portable.
- Rechargeable battery powered.
- Combined gas probe and filter.
- Internal pump with high suction. Instant readings.
- Low-cost long-lasting oxygen sensor and CO sensor.
- Ready - Reckoners for % combustion efficiency, excess air and % CO₂ for 11 fuels is provided.

APPLICATIONS

Model FGM is ideal for checking of flue gases of BOILERS, FURNACES, CEMENT KILNS OR HEATERS for excess air or un-burnt combustibles condition to increase combustion efficiency. Model FGM can also be used for checking the calibration of on line equipment or substitute for it semi continuously with certain precautions. Model FGM can serve at any required spot in the plant or for laboratory use, being portable and quick and easy to use. The fuel/air ratio is optimum when CO indication just becomes present from a no CO situation after a small reduction in air supply. The fuel/air ratio can be fine tuned as the operator reads O₂ and CO simultaneously, keeping both CO & O₂ to a practical minimum to optimise combustion.

STANDARD SPECIFICATIONS

Oxygen	0-25 % in 0.1 % steps.
Carbonmonoxide	0-2 % CO standard range in 10 ppm steps.
Calibration	Oxygen using ambient air Carbon monoxide using certified calibration gas.



SAVE FUEL & MONEY

TECHNOVATION® MODEL FGM RELIABLE & COST EFFECTIVE

Accuracy	+2%of reading at constant temperature.
Sensors	Electrochemical
Expected life	O ₂ sensor 2 years, CO sensor 2-3 years.
Response Time:	90% in 30 secs.
Working temp	5 °C to 45° C
Size	260 x 130 x 80 mm
Weight	1.5 Kg
Power	12 V Rechargeable battery
Pump Suction	6 " hg Column
Pump Flow	0.5 l/m
Probe	Copper tube 4 meters length with filter & rubber tubing

ACCESSORIES

Carrying case	Provided
Battery charger	Provided

OPTIONAL EXTRAS

Probe	High temperature for 1200° C.
CO Range	0 – 10 % With 0.01% steps