



BIO-MASS GAS ANALYZER

Biomass Gas Analyzer is designed considering the flexibility required in the environments that characterize syn gas and bio-mass applications.

The analyzer uses high-stability infrared sensors for the simultaneous measurement of CO₂, CO and CH₄. In addition, the analyzer can also be supplied with a non-consumable, long-life thermal conductivity cell for H₂ that compensates for the interference effects of CO₂, CO and CH₄. This ensures that H₂ will always read correctly regardless of the background gas composition.

Paramagnetic sensor can be used for O₂ analysis as an option. All sensors are temperature-compensated for maximum analytical stability. Auto calibration functionality

SPECIFICATIONS :

Accuracy & Repeatability	± 2% of reading for all gases
Drift	Less than 2% of full scale per month
Response Time (T-90)	20-30 seconds
Ambient Temperature Range	4 to 50°C
Power	80 to 230 VAC 50 Hz
Output	Isolated 4-20 mA standard RS 485, supports MODBUS protocol
Relay Output	2 Nos. of potential free contacts

Features:-

- 32-Bit Cortex-M3 ARM Processor
- 5.7" QVGA TFT Touch Screen Display
- Cabinet purge system available
- Touch-screen display for gas reading
- Built-in sample pump or pressure regulator
- Isolated 4-20 mA analog output for each gas
- Automatic moisture removal system included
- Hi / Low gas, low flow and other alarms available
- Tried and tested technology with proven reliability
- RS 485, supports MODBUS protocol
- High range on each channel available (up to 100%)
- H₂ reading is compensated for the interference effect of the other gases measured
- PTFE sample lines & sample components (where prudent)

