

VOC 1000

METHANE, NON METHANE & TOTAL HYDROCARBON ANALYSER



VOC 1000 is designed to measure total, methane and non-methane hydrocarbon gases providing accurate and reliable measurement data.

VOC 1000 analyser provides unparalleled flexibility and offers continuous, fully automated gas analysis over a broad range of concentrations.

The analyser is based on a Flame Ionisation Detector (FID) with electronic control that delivers a small portion of the sample gas to the detector flame. During the combustion process, organic or hydrocarbon-based gases in the sample are ionised, then they are detected by the instrument and reported as a concentration.

BENEFITS

- Hydrocarbon detection from sub-ppm to 1000 ppm (methane)
- Programmable automatic calibration at user-defined intervals or manual calibration
- Electronic control of fuel, air and sample
- Electronic back-pressure regulator with sample bypass system ensures fast response
- Programmable analog output ranges
- Automatic FID ignition, with automatic shut-off of sample, fuel and combustion air
- Graphical display and easy to use menu system
- Internal single or multipoint modules, with or without sample pump for pre-filtered (< 0.1 microns), non-condensing samples
- Multilevel concentration and fault alarms that result in an audible and visually displayed alarm. Alarms may also be mapped to relays to control external equipment
- Supports hydrogen 35 cc/min (blend 100 cc/min), air 175 cc/min. Hydrocarbon content must be < 1 ppm.

SPECIFICATIONS

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| Detector: | Flame Ionisation Detector (FID) |
| Oxidiser: | Non-methane gases |
| Range: | 0 - 200 ppm (0 - 1000 ppm optional) |
| Repeatability: | +/- 1 % full scale |
| Drift: | +/- 1 % of full scale (24 hours) |
| Response: | T90 < 30 seconds |
| Support gases: | Hydrogen 35 cc/min Air 175 cc/min |
| Operating temperature: | 0 - 40 °C |
| Operating humidity: | 0 - 95 % non condensing |
| Power: | 90 - 240 VAC 50/60 Hz, 3A |
| Display: | 8.6 x 11.4 cm graphical display |
| Relay outputs: | 5 programmable form A relays rated to 3A @ 230 VAC |
| Analog outputs: | 1 programmable 0 - 20 or 4 - 20 mA isolated output (optional 3 analog output board) |
| Digital outputs: | RS232, Ethernet |
| Dimensions: | 48.3 x 36.2 x 13.3 cm |
| Weight: | 9 kg |
| Connections: | 1/4" tube fitting connectors |

