



Lambda T CO₂ Monitor



Wall mounted, low maintenance analyser for long-term monitoring of CO₂



- Continuous CO₂ monitoring
- Reliable IRGA technology
- Variety of measurement ranges
- Sample pump
- Easy to install
- Low maintenance

Accurate CO₂ monitoring

The Lambda T is a highly accurate CO₂ monitor employing a novel twin wavelength infrared gas analyser. This technology provides highly stable analysis, enabling the Lambda T to be used for unattended measurement and control of CO₂ in conditions of elevated CO₂ such as greenhouses, and growth chambers.

The twin wavelength detection system means the Lambda T is very specific for CO₂, with no cross sensitivity to other gases and highly stable, essential for long term measurements.

Lambda T CO₂ ranges

0-2000ppm
0-3000ppm
0-1%
0-3%
0-5%
0-10%
0-30%
0-100%

Clear CO₂ display

The Lambda T features a four digit LCD and alarm set point controls. 4-20mA or 0-20mA linear or non-linear outputs are provided.

Low maintenance

Fitted with an internal sample pump, the Lambda T is supplied ready to be wall or front panel mounted. Operating on 88-138VAC or 172-276VAC.

The Lambda T requires low maintenance with only the simple replacement of a long life hydrophobic filter and a yearly calibration recommended.

Designed for long-term unattended operation the Lambda T is both reliable and robust, housed in a tough plastic IP54 rated enclosure.

Lambda T Specification

Measurement technique: Dual wavelength infrared gas analyser

CO₂ measurement range:

0-2000ppm

0-3000ppm

0-1%

0-3%

0-5%

0-10%

0-30%

0-100%

Accuracy: +/- 2.5% of full scale

Stability: +/- 2.0% of full scale over 12 months

Response time: T₉₀ = 30 seconds

Warm-up time: Operational 3 minutes, 40 minutes full specification

Pump characteristics: Typical flow rate 1L/min. 30 meters maximum sampling distance

Visual display: Four digit LCD

Alarm 1 LED, Alarm 2 LED

Fault LED

Low flow/flow fail LED

Alarms: Two user configurable single trip points

Outputs: 4-20mA or 0-20mA linear or non linear

Relay contacts: Volt-free changeover contacts. Resistive load @ 250AC = 8A

Operating temperature range: 0°C - 40°C

Power requirements: Switchable 88-138VAC or 172-276VAC

Power consumption: 13 W typical

Enclosure: IP54 rated

Dimensions: 267 x 258 x 148mm

Weight: 2.5kg



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