



# Lambda T CO<sub>2</sub> Monitor



Wall mounted, low maintenance analyser for long-term monitoring of CO<sub>2</sub>



- Continuous CO<sub>2</sub> monitoring
- Reliable IRGA technology
- Variety of measurement ranges
- Sample pump
- Easy to install
- Low maintenance

## Accurate CO<sub>2</sub> monitoring

The Lambda T is a highly accurate CO<sub>2</sub> 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 CO<sub>2</sub> in conditions of elevated CO<sub>2</sub> such as greenhouses, and growth chambers.

The twin wavelength detection system means the Lambda T is very specific for CO<sub>2</sub>, with no cross sensitivity to other gases and highly stable, essential for long term measurements.

## Lambda T CO<sub>2</sub> ranges

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

## Clear CO<sub>2</sub> 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

**CO<sub>2</sub> 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:** T<sub>90</sub> = 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



ADC BioScientific Ltd.  
1st Floor Charles House  
Furlong Way  
Great Amwell  
Herts, SG12 9TA  
UK  
Tel: +44 (0)1920 487901 Fax: +44 (0)1920 466289  
sales@adc.co.uk www.adc.co.uk