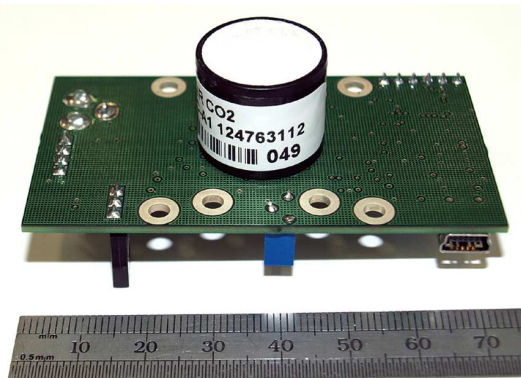
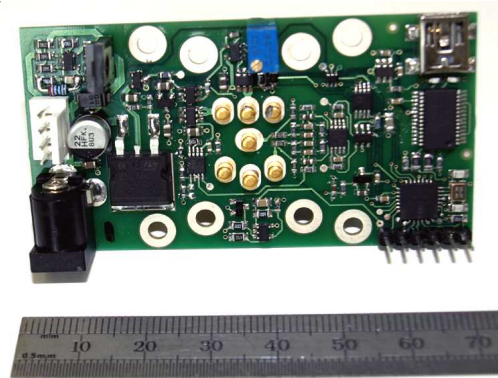




# IRC-TX NDIR CO<sub>2</sub> Transmitter Board



Top view



Base view

- ▶ Both 4-20mA and USB output
- ▶ Uses Alphasense IRC-A1 NDIR cell
- ▶ Adjustable bulb voltage to optimise long-term stability vs. resolution

|             |                            |
|-------------|----------------------------|
| Four ranges | 0-5,000ppm                 |
|             | 0-5% vol CO <sub>2</sub>   |
|             | 0-20% vol CO <sub>2</sub>  |
|             | 0-100% vol CO <sub>2</sub> |

**Please specify required range when ordering**

Excellent linearity/accuracy ±50ppm from 5,000ppm at 20°C using generic linearisation

Full sensor specification see IRC-A1 data sheet

USB interface plugs directly into PC for simple data capture

4-20mA output 4-wire or 2-wire and separate power supply (2.1mm DC socket)

Power options USB port (4-20mA output switched off)  
2.1mm DC socket 12 to 40 VDC  
Molex connector 12 to 40 VDC



At the end of the product's life, do not dispose of any electronic sensor, component or instrument in the domestic waste, but contact the instrument manufacturer, Alphasense or its distributor for disposal instructions.

**NOTE:** all sensors are tested at ambient environmental conditions, with 47 ohm load resistor, unless otherwise stated. As applications of use are outside our control, the information provided is given without legal responsibility. Customers should test under their own conditions, to ensure that the sensors are suitable for their own requirements.