



## A3E/F

**Product code:** A3E/F

**Manufacturer:** City Technology

**Nominal Range:** 0-2000ppm

**Maximum Overload:** 4000ppm

**Output Signal:**  $0.075 \pm 0.025 \mu\text{A/ppm}$

**Typical Baseline Range (pure air):** -2 to +17ppm equivalent

**Bias Voltage:** 20 or +250mV

**Recommended Gain:** 0.5 to 2.5

**Weight:** 26g

**Inboard Filter:** To remove acid gases/alcohol

**Auxiliary Electrode:** To compensate for H<sub>2</sub> crossinterference

**Expected Operating Life:** 3 years

**Resolution:** 1ppm

**Temperature Range:** -20°C to +50 °C

**Operating Range:** 800-1200mBar

**Storage Range:** 800-1200mBar

**Max Diff (capillary to amb.):**  $\pm 100\text{mBar}$

**Pressure Coefficient:** 0.02% signal/mBar

**T90 Response Time:** <40 seconds

**Relative Humidity Range:** 15% to 90% non-condensing

**Long Term Output Drift:** <10% signal loss/year

**Repeatability:** 2% of signal

**Output Linearity:** Linear

|                          |                            |
|--------------------------|----------------------------|
| <b>Life expectancy</b>   | > 3 years                  |
| <b>Measurement range</b> | 0-2000 ppm                 |
| <b>Target Gas</b>        | Carbon Monoxide            |
| <b>Response Time</b>     | < 40 seconds (T90)         |
| <b>Output</b>            | $75 \pm 25 \text{ nA/ppm}$ |