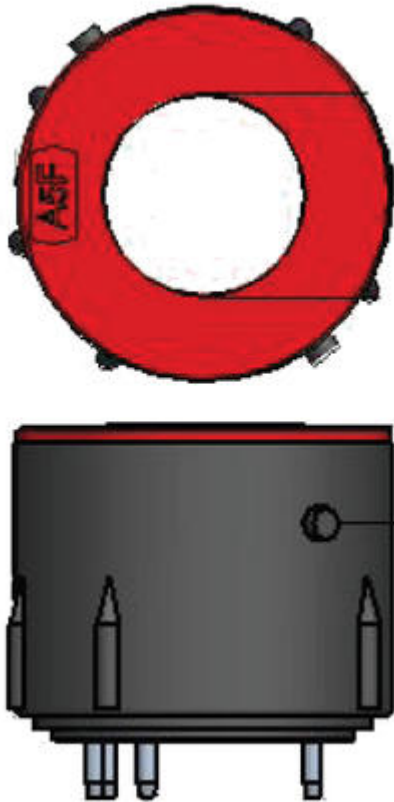




## A5F+

**Codice prodotto:** A5F+

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 4-electrode electrochemical

**Nominal Range:** 0 to 10,000 ppm CO

**Maximum Overload:** 20,000 ppm CO

**Filter:** To remove acid gases

**Filter Capacity:** > 275,000 ppm hours (900 ppm NO @ 200 ml/min)

**Auxiliary Electrode:** To compensate for maximum 2000 ppm H<sub>2</sub> cross interference

**Sensitivity:** 60 ± 20 nA/ppm

**Response Time (T<sub>90</sub>):** < 30 seconds

**Typical Net Range Baseline** (clean air): -2 to +17 ppm CO equivalent

**Typical Net Baseline Shift** (+20°C to +40°C): 5 ppm CO equivalent

**Repeatability:** < 1% of signal

**Linearity:** Linear

### ELECTRICAL

**Resolution:** Electronics dependent 1 ppm (based on City Technology recommended circuitry)

**Recommended Load Resistor:** 10 Ω

**Bias Voltage:** 0 mV or 250 mV

### MECHANICAL

**Housing Material:** ABS

**Weight:** 13 g (nominal)

**Orientation Sensitivity:** None

### ENVIRONMENTAL

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

**Storage Temperature:** 0°C to +20°C

**Operating Pressure Range:** Atmospheric ± 10%

**Pressure Coefficient:** 0.010% signal / mbar

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



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#### **LIFETIME**

**Long Term Output Drift:** < 2% signal loss per month

**Expected Operating Life:** 3 years in air

**Storage Life:** 6 months in original packaging

|                          |                       |
|--------------------------|-----------------------|
| <b>Life expectancy</b>   | > 3 anni              |
| <b>Range di misura</b>   | 0-10.000 ppm          |
| <b>Target Gas</b>        | Monossido di Carbonio |
| <b>Tempo di Risposta</b> | < 30 secondi (T90)    |
| <b>Uscita</b>            | 60 ± 20 nA/ppm        |