



## A3STF

**Codice prodotto:** A3STF

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 4-electrode electrochemical

**Measurement Range:** 0-10 ppm SO<sub>2</sub>

**Maximum Overload:** 100 ppm

**Filter:** To remove H<sub>2</sub>S and HCl

**Sensitivity:** 0.60 ± 0.12 µA/ppm

**Response Time (T<sub>90</sub>):** < 40 seconds

**Baseline Offset (clean air):** 0 to 0.1 ppm equivalent

**Linearity:** Linear

### ELECTRICAL

**Recommended Load Resistor:** 10 Ω

**Bias Voltage:** Not Required

### MECHANICAL

**Weight:** 22 g

**Housing Material:** Polycarbonate

**Pin Material:** Mild steel with gold flash over nickel plate

**Orientation:** Any

### ENVIRONMENTAL

**Typical Applications:** Ambient Environmental Monitoring

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

**Recommended Storage Temp:** 0°C to 20°C

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

**Pressure Coefficient:** 0.020 ± 0.008 % signal/mBar

**Operating Humidity Range:** 15 - 90% RH non-condensing

### LIFETIME

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

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

---

**Storage Life:** 6 months in CTL container

<b>Life expectancy</b>	> 3 anni
<b>Range di misura</b>	0-10 ppm
<b>Target Gas</b>	Anidride Solforosa
<b>Tempo di Risposta</b>	< 40 secondi (T90)
<b>Uscita</b>	600 ± 120 nA/ppm