



## 3STF

**Codice prodotto:** 3STF

**Produttore:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

**Measurement Range:** 0-100 ppm CO

**Maximum Overload:** 500 ppm CO

**Filter:** To remove H2S

**Sensitivity:**  $0.37 \pm 0.07 \mu\text{A/ppm}$

**Resolution:** 0.5 ppm (electronics dependant)

**Response Time (T90):** <50 Seconds

**Baseline Offset (clean air):** -0.25 to +0.5 ppm equivalent

**Zero Shift (+20°C to +40°C):** 1 ppm equivalent

**Repeatability:** 1% of signal

**Output Linearity:** Linear

### ELECTRICAL

**Recommended Load Resistor:** 10  $\Omega$

**Bias Voltage:** Not Required

### MECHANICAL

**Weight:** 22 g

**Orientation:** Any

### ENVIRONMENTAL

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

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

**Operating Pressure Range:** Atmospheric  $\pm$  10%

**Pressure Coefficient:** 0.015% signal / mbar

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

### LIFETIME

**Long Term Sensitivity Drift:** <2% signal loss/year

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

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



**Tecnosens S.p.A.**  
Via Vergnano,16 25125  
Brescia (BS) Italia  
  
Tel: (+39) 030 3534144  
Fax: (+39) 030 3530815  
info@tecnosens.it  
PEC: tecnosens@legalmail.it

---

<b>Life expectancy</b>	> 24 mesi
<b>Range di misura</b>	0-100 ppm
<b>Target Gas</b>	Anidride Solforosa
<b>Tempo di Risposta</b>	< 50 secondi (T90)
<b>Uscita</b>	370 ± 70 nA/ppm