



3STF

Product code: 3STF

Manufacturer: 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 Ω

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

| | |
|--------------------------|--------------------|
| Life expectancy | > 24 months |
| Measurement range | 0-100 ppm |
| Target Gas | Sulfur Dioxide |
| Response Time | < 50 seconds (T90) |
| Output | 370 ± 70 nA/ppm |