

No image
available

7STF

Product code: 7STF

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-100 ppm SO₂

Maximum overload: 500 ppm SO₂

Filter: To remove H₂S

Sensitivity: 0.37 ± 0.07 µA/ppm

Response Time (T₉₀): <30 Seconds

Zero Shift (+20°C to +40°C): < 1 ppm SO₂
equivalent

Resolution: 0.5 ppm (when used with
recommended electronics)

Baseline Offset (clean air): -0.6 to +1.9 ppm H₂S
equivalent

Repeatability: 1% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 10 Ω

Bias Voltage: Not required

MECHANICAL

Weight: 17 g

Housing Material:

- Cap: Polycarbonate
- Body: ABS

Orientation: Any

ENVIRONMENTAL

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

Recommended Storage Temp: 0°C to 20°C

Operating Pressure Range: Atmospheric ± 10%

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

LIFETIME



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

Long Term Sensitivity Drift: <2% signal loss/month

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container

Life expectancy	> 24 months
Measurement range	0-100 ppm
Target Gas	Sulfur Dioxide
Response Time	< 30 seconds (T90)
Output	370 ± 70 nA/ppm