



70Z

Product code: 70Z

Manufacturer: City Technology

MEASUREMENT

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-2 ppm O₃

Maximum Overload: 5 ppm O₃

Filter: None

Sensitivity: 7.2 mA/ppm ±2.3 mA/ppm

Response Time (T₉₀): <150 seconds @ 20°C

Baseline Offset (clean air): 0 ppb O₃ to 120 ppb O₃ equivalent

Zero Shift (+20°C to +40°C): <36 ppb O₃ equivalent

Resolution: 20 ppb when used with recommended electronics

Repeatability: 5% of signal

Linearity: Linear

ELECTRICAL

Recommended Load Resistor: 33 Ω

Bias Voltage: Not Required

MECHANICAL

Weight: 17 g

Housing Material:

- Cap: Polycarbonate
- Body: Stainless Steel
- Base: 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



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

LIFETIME

Long Term Sensitivity Drift: < 5% signal loss/year

Expected Operating Life: Two years in air

Storage Life: 6 months in CTL container

Life expectancy	> 24 months
Measurement range	0-2 ppm
Target Gas	Ozone
Response Time	< 150 seconds (T90)
Output	$7.2 \pm 2.3 \mu\text{A/ppm}$