



HF 3E 10 SE

Product code: HF 3E 10 SE

Manufacturer: City Technology

Operating Principle: 3-electrode electrochemical

Measurement Range: 0-10 ppm

Filter: None

Sensitivity: 300 ± 100 nA/ppm (negative signal)

Response Time (T90): < 90 s calculated from 3 min exposure time

Baseline Offset (clean air): < ± 30 nA

Repeatability: < 10% of full scale

Linearity: < 10% of full scale

Recommended Load Resistor: None

Bias Voltage: Not required

Resolution (Electronics dependent): < 150 ppb

Housing Material: ABS

Weight:

2.3 g (Mini)

3.3 g (Classic)

2.8 g (Smart)

4.6 g (4 Series)

6.9 g (7 Series)

Recommended Orientation: sensor front pointing downwards or sideways

Typical Applications: TLV-monitoring, leakage detection, Portable & fixed point applications

Operating Temperature Range: -20°C to +40°C

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

Operating Humidity Range: 15% to 90% r.h. non-condensing

Maximum at 10ppm: 0.4 μ A

Maximum o/c Voltage: < 500 mV

Maximum s/c Current: 500 μ A

Long Term Output Drift: < 10% per 6 months

Expected Operating Life: > 18 months in air



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Storage Life: 8 weeks in sealed container
Standard Warranty: 12 months from date of despatch

Life expectancy	> 18 months
Measurement range	0-10 ppm
Target Gas	Hydrofluoric acid
Response Time	< 90 seconds (T90)
Output	300 ± 100 nA/ppm