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## 7HCN

**Product code:** 7HCN

**Manufacturer:** City Technology

### MEASUREMENT

**Operating Principle:** 3-electrode electrochemical

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

**Filter:** None

**Sensitivity:**  $0.10 \pm 0.02 \mu\text{A/ppm}$

**Response Time (T90):** <200 Seconds at 20°C

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

**Baseline Offset (clean air):** -1 to +3 ppm  
equivalent

### ELECTRICAL

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

**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  $\pm 10\%$

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

### LIFETIME

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

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



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<b>Life expectancy</b>	> 24 months
<b>Measurement range</b>	0-100 ppm
<b>Target Gas</b>	Hydrocyanic acid
<b>Response Time</b>	< 200 seconds (T90)
<b>Output</b>	100 ± 20 nA/ppm