

## A.S.P. Electro-Technology Ltd INFORMATION SHEET

# SENSEPOINT – Gas Detection Sensors

**SensePoint is a comprehensive range of gas detection sensors for either combustible or toxic gases. The simple, extremely rugged, high performance, polymer sensor housing contains proven sensing elements which require very little maintenance, and are designed to give years of service before simple replacement. This range of high performance gas sensors covers all the regular application needs of major industrial plants.**

Sensepoint in both combustible and toxic versions is fully certified to the latest international and European ATEX safety and performance standards. Simple installation is achieved by the use of an Exd or Exe approved junction box. Sensepoint is designed for very harsh, aggressive environments with an ingress protection IP66/67 approval.



### Toxic Gas Sensors – Fixed (System)

ATEX Ex II 2G, EExdia IIC T4 certified.
Ingress Protection: IP65 as standard. IP66/67 with weather protection.
Certified Temperature: -55°C to +60°C.
Material: PPS. Weight: 185g to 205g.
Voltage: 18 to 30Vdc, 0.9W maximum.
Features: <ul style="list-style-type: none"> <li>• Electrochemical cell sensing technology.</li> <li>• Easy maintenance – exchangeable electrochemical cells while powered.</li> <li>• Signal Output: Loop powered 4 to 20mA</li> <li>• Operating Pressure: 90 to 110kPa</li> <li>• Humidity 20-90% (continuous), 10 to 99% (intermittent).</li> <li>• Options: Sample flow housing, calibration test kits.</li> </ul>

Detection:	Operating Temp/ Typical Life:
CO: 0-100/200/500PPM	-20 to +50°C / 24 mths
Cl <sub>2</sub> : 0-5/15PPM	-20 to +50°C / 18 mths
SO <sub>2</sub> : 0-15/50PPM	-15 to +40°C / 18 mths
O <sub>2</sub> : 1-25%/V/V	-15 to +40°C / 12 mths
NO <sub>2</sub> : 0-10PPM	-15 to +40°C / 18 mths
NO: 0-100PPM	-05 to +40°C / 18 mths
NH <sub>3</sub> : 0-50/1000PPM	-20 to +40°C / 18 mths
H <sub>2</sub> S: 0-20/50/100PPM	-25 to +50°C / 24 mths
H <sub>2</sub> : 0-1000/10000PPM	-05 to +40°C / 18 mths

### Combustible Gas Sensors (LEL or PPM Detection)

<b>LEL:</b> ATEX Ex II 2G, EExd IIC T3-T6 certified.
<b>PPM:</b> ATEX Ex II 2G, EExd IIC T5-T6 certified.
Ingress Protection: IP65 as standard. IP66/67 with weather protection.
Certified Temperature: PPM: -30°C - +65°C. LEL: Standard: -55°C - +80°C. High: -55°C -150°C.
Material: Polyphenylene sulfide (PPS). Weight: 190g. Poison resistant catalytic beads.
Features: <ul style="list-style-type: none"> <li>• Supply: 200mA: 0.7W max</li> <li>• Signal Output: mV Bridge</li> <li>• Op. Pressure: 90 to 110kPa</li> <li>• Options: Weather protection, sample flow housing, calibration testing kits, collecting cone.</li> </ul>

#### Detection:

**LEL:** Combustible gases: 0-100%

Detection is via a single pair of catalytic beads which provide reliable and stable detection. Typical lifetime of 5 years.

**PPM:** Combustible range varies with gas – typically 0-10%. Low level ppm detection, early alarm indication.

Detection via single pair of catalytic beads with electronic amplification. Reliable and stable detection to lower ppm levels. Typical lifetime 5 years.

### Supplied by:

**A.S.P. Electro-Technology Ltd**  
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