

TECHNICAL INFORMATION

FEATURES

- high dimensional stability
- precise measures
- repeatability of values
- quick response
- automatic reset after the gas disappearing
- good chemical resistance
- high selectivity

APPLICATIONS

- dangerous gas leakage
- industrial pollution monitoring
- environmental monitoring
- combustion emissions control
- process control



The EV492/HF/PL - EV493/HF/PL gas detectors have been designed to be used in industrial environments and in all the places where a leakage or an abnormal concentration of Hydrocyanic acids Gas can be dangerous for people and things.

The sensible element used by this detectors is a precision electrochemical cell sensor.

The main advantages of this type of sensor are the stability, the values repeatability and the great selectivity to the HF gas.

The detector's container is a autoextinguishing polycarbonate box with IP65 protection.

Inside the box there's the sensor mounted with the needed electronics.

The sensor is based on the fuel cells technology and uses a patented diffusion barrier.

The sensor is very reliable and its performance it's excellent. Moreover it is very resistant to corrosion and it's not influenced by temperature or humidity variations.

So the sensor results to be stable for a long time.

The EV492/HF/PL gas detector has an analog 0-5V output.

The EV493/HF/PL gas detector has a 0-5 V analog output and two relay outputs each with its preset threshold.

Option available: US420 module for linear 4-20mA analog output

TECHNICAL DATA

- power supply : 12 - 24Vcc (+/-15%)
- power consumption : 1W max
- measuring range: 0 - 10 ppm of HF in air
- **analog output 0 - 5V (EV492/HF/PL)**
- **analog output 0-5 V and 2 relays with 2 alarm threshold preset to 5 and 10 ppm (EV493/HF/PL)**
- resolution: 0,25 ppm (20°C)
- temperature: -5 +40 °C
- humidity: 15 - 90%
- pressure limit: 900 - 1100 mBar
- pressure coefficient: 0,02 (%signal/mBar)
- repeatability: 2%
- long time shift: < 2% signal/month
- response time: 35 sec.
- setup time: > 20 sec
- average life: 2 years
- plastic material box
- execution: IP65
- built conforming to the norms: EN50054 - EN50057
- sensor's approvals: BS5750Pt3 - ISO9002 - EN29002