



**Electro Optical Components, Inc.**

5460 Skylane Boulevard, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

[www.eoc-inc.com](http://www.eoc-inc.com) | [info@eoc-inc.com](mailto:info@eoc-inc.com)



## 4H2S-100HT High Temperature & Extreme Humidity Gas Sensor

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SemeaTech has released a new product, the 4H2S-100HT sensor, for applications in high temperature and high humidity environments, such as deserts, where the temperature can be as high as 60 °C. At such high temperatures, the electrolyte of a traditional H<sub>2</sub>S sensor will either dry out in low humidity or leak out in high humidity to affect the sensor's performance and life span. With SemeaTech's new 4H2S-100HT sensor, the detection of H<sub>2</sub>S in such extreme environments has become a reality.

Because of our unique electrochemical technology, our new H<sub>2</sub>S sensor performs better in extreme environments as follows:

- 1) In extreme humidity (90%RH, 15%RH), the new 4H2S-100HT sensor has a lower risk of leakage or electrolyte evaporation and can be used more effectively in a very wet season or an extreme dry desert.
- 2) In high temperature and low humidity environments, (65 °C, 15%RH), our new 4H2S-100HT sensor has smaller baseline offset, better consistency and longer life span.
- 3) The 4H2S-100HT functions well at extreme high temperature of 65 °C, while the traditional sensors operate at an upper temperature limit of 50 °C.