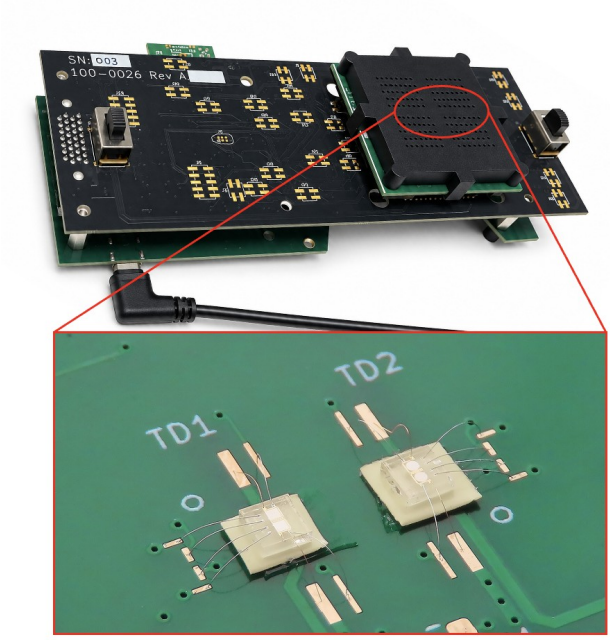
Trace Hydrogen Sulfide (H_2S) Sensor



DESCRIPTION

The Serinus Labs hydrogen sulfide sensor utilizes a proprietary work-function change technology integrated with a CMOS read-out architecture. The platform supports hydrogen sulfide sensing from 0.04 to 40 ppm and is designed for selective response, environmental robustness, and long-term stability. It can be used as a wired sensor for system integration or configured as a wireless sensing node for distributed monitoring.

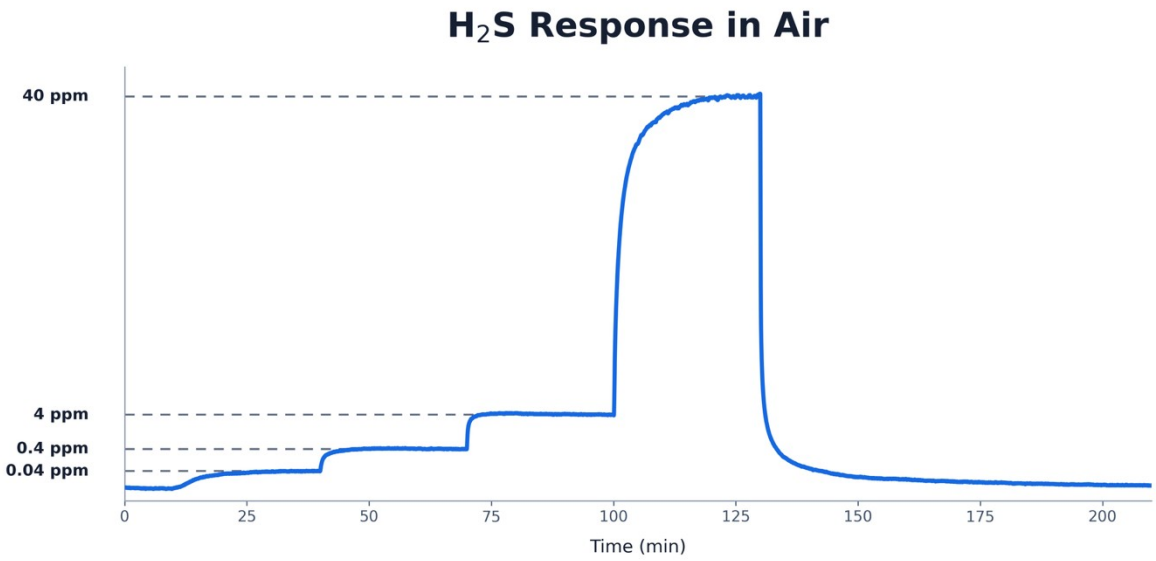
FEATURES

- Patented sensing technology
- Hydrogen Sulfide sensitivity from 0.04 ppm to 40 ppm
- Cross-sensitive to hydrogen
- Highly selective against CO 0.5%, C_3H_8 1%, CO_2 1%, C_2H_4 1.5%
- Adaptive dew-point heating to mitigate relative humidity effects
- Active drift compensation with built-in physical reference sensor

APPLICATIONS

- Industrial gas leak detection and safety monitoring
- Environmental air quality monitoring
- Chemical processing and petrochemical facilities
- Long-term gas monitoring in harsh environments
- Drone-based monitoring

Typical Performance



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