



## TECHNICAL DATA SHEET

No. SPECS-GAS-026

### H2S SENSOR

Rev. 0

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**TITLE:** H2S SENSOR (alternative)

**DEPARTMENT:** TECHNICAL SUPPORT

**DESCRIPTION:**

**A Metal Oxide Semiconductor (Continuous Diffusion, Adsorption Type) sensor. The sensor can be located within the logging unit. Commonly additional sensors are placed at remote locations around the rig, including, but not limited to ;**

**Rig Floor, Mud Pit Room, Ditch or Possum Belly.**

**This sensor is also used within the sample line to monitor the continuous gas stream.**

**A. Specifications.**

**BRAND (Sensor):** General Monitors  
**MODEL:** 50445-1 (0-100 ppm) – Sensor  
Model 2180 -- Transmitter  
**SENSOR TYPE:** Metal Oxide Semiconductor (Continuous Diffusion, Adsorption Type)  
**INSTALLATION LOCATION:** Pit Room, Rig Floor, Possum Belly, Sample Line  
**MEASURING RANGE:** 0-100 ppm (up to 500 ppm available)  
**SENSITIVITY:** 1 ppm  
**ACCURACY:**  $\pm 10\%$  or 2 ppm of reading, whichever is greater  
**RESPONSE TIME:** 50% of reading within 60 seconds (determined with H2S 100 ppm test gas)  
**APPROVALS/CERTIFICATION:** FM and CSA, Class I, Div. 1, Groups B, C and D; or CENELEC and GOST approval Ex ds IIC T6  
**OUTPUT:** Panel Mount Transmitter Display  
**OUTPUT:** Chart Recorder, DLS System, all Digital Monitors.

**APPROVAL:**

Dept. Manager/Supervisor : VICTOR SAET

Date: 22<sup>nd</sup> July 2002

Technical Committee : ALAN MORRISON

Date: 22<sup>nd</sup> July 2002