



TECHNICAL DATA SHEET

No. SPECS-GAS-035

H2S SENSOR SOLID-STATE (MOS)

Rev. 0

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TITLE: H2S SENSOR – SOLID STATE (METAL OXIDE)

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

Considered to be the best sensing technology for hydrogen sulfide detection – solid-state metal oxide semiconductor. 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 ;

Pit Room, Rig Floor, Ditch or Possum Belly.

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



A. Specifications.

- BRAND (Sensor): Detcon, Inc.
- MODEL: Model TP-524C
- SENSOR TYPE: Solid State Metal Oxide Semiconductor (MOS)
- INSTALLATION LOCATION: Pit Room, Rig Floor, Possum Belly, Sample Line
- MEASURING RANGE: 0-100 ppm
- SENSITIVITY: 1 ppm
- ACCURACY: 5% of reading
- RESPONSE TIME: 50% of reading within 45 seconds, 80% of reading within 90 seconds (determined with H2S 100 ppm test gas)
- APPROVALS/CERTIFICATION: CSA-NTRL Approved - Class I, Division 1, Groups B, C and D.
- OUTPUT: Chart Recorder, DLS System, all Digital Monitors.

APPROVAL:

Dept. Supervisor : VICTOR SAET Date: 13th September 2002

Technical Committee : ALAN MORRISON Date: 13th September 2002