



## TECHNICAL DATA SHEET

No. SPECS-GAS-025

### H2S SENSOR

Rev. 0

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**TITLE:** H2S SENSOR

**DEPARTMENT:** TECHNICAL SUPPORT

**DESCRIPTION:**

An electrochemical sensing element 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):	Detector Electronics (Detronics)
MODEL:	C7046E(4012)
SENSOR TYPE:	Electrochemical Sensing Element
INSTALLATION LOCATION:	Pit Room, Rig Floor, Possum Belly, Sample Line
MEASURING RANGE:	0-100 ppm (up to 500ppm available)
SENSITIVITY:	1 ppm
ACCURACY:	±3 ppm or 10% of reading, whichever is greater
RESPONSE TIME:	20% of reading within 12 seconds, 50% of reading within 30 seconds (determined with H2S 100 ppm test gas)
APPROVALS/CERTIFICATION:	CSA Certified to meet FM requirements for Class I, Groups C and D. CENELEC EEx d IIB + H <sub>2</sub> T6
OUTPUT:	Chart Recorder, DLS System, all Digital Monitors.

**APPROVAL:**

Dept. Supervisor : VICTOR SAET

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

Technical Committee : ALAN MORRISON

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