



TECHNICAL DATA SHEET

CO2 SENSOR (ambient)

No. SPECS-GAS-028
Rev. 0
Page 1 of 1

TITLE: CO2 SENSOR (ambient)

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

An Infra-red technology sensor. The sensor can be located within the logging unit. Commonly additional sensors are placed at remote locations around the rig for the monitoring of ambient gases, at various locations including, but not limited to ;

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



A. Specifications.

BRAND: Draeger.
MODEL: Polytron IR CO₂ (Ex)
SENSOR TYPE: Infrared
INSTALLATION LOCATION: Pit Room, Rig Floor, Possum Belly, Sample Line
MEASURING RANGE: 0-1....30 Vol% Volume; 0-2000....9000 ppm (user-selectable in one sensor)
SENSITIVITY: ± 0.01 Vol%
REPEATABILITY: ≤ ± 0.05 Vol% (Measuring Range 0-1 Vol%)
RESPONSE TIME: 90% of reading within 35 seconds (tested with measuring range 0-1%)
AMBIENT CONDITIONS Temperature: -20 to 65 °C/-5 to 150 °F
APPROVALS/CERTIFICATION: CENELEC EEx em [ib] d IIB + H2 T4;
CE marking; RFI compatibility (directive 89/336/EEC)
OUTPUT: Chart Recorder, DLS System, all Digital Monitors.

APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 1st AUG. 2002

Technical Committee : ALAN MORRISON

Date: 1st AUG. 2002