



# TECHNICAL DATA SHEET

## ONLINE CO2 DETECTOR

No. SPECS-GAS-024  
Rev. 0  
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**TITLE:** ONLINE CO2 DETECTOR

**DEPARTMENT:** TECHNICAL SUPPORT

**DESCRIPTION:**

An online continuous Carbon Dioxide detector using Infra-red sensors.



**BRAND:** Valtronics

**MODEL:** 2008 SDH

**RANGE:** 20% (Non-diluted)  
100% (Diluted 5x)

**SENSOR TYPE:** Non-dispersive infrared

**MEASURING RANGE:** 20% maximum (Non-diluted)  
100% maximum (Diluted 5x)

**ACCURACY:** ±5% of reading

**REPEATABILITY:** ±1% of full scale

**RESPONSE TIME:** 95% of reading within 5 seconds

**POWER REQUIREMENT:** 110 VAC, ±10%

**OPERATING TEMPERATURE:** 5 to 40°C (41 to 104°F)

**OPERATING HUMIDITY:** 5 to 95% RH non-condensing

**OUTPUT:** Yokogawa Chart Recorder & DLS System & all Digital monitors



Picture of Valtronics NDIR circuit board used in CO2 detector.



**APPROVAL:**

Dept. Supervisor : VICTOR SAET

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

Technical Committee : ALAN MORRISON

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