

Oxygen sensors background notes

Oxygen sensors Linearity & Cross interference

The sensor is linear ,specific to oxygen and for most purposes is unaffected by other gases .Strong inorganic oxidising gases like chlorine,fluorine and trifluoride can have an adverse affect on the sensor . CO_2 at physiological levels can be ignored 80% helium is negligible at 23°C although at 40°C can affect readings by 0.5% and 0.8%.

Scientific information, originally via Teledyne Analytical Instruments available in original scientific journals via the internet.

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