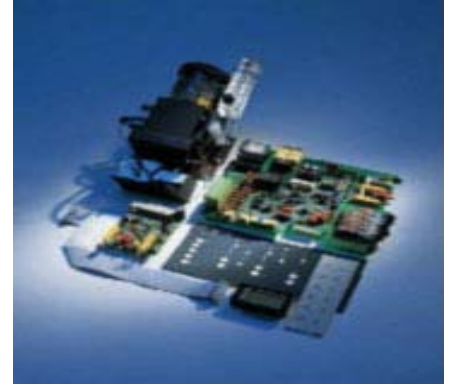
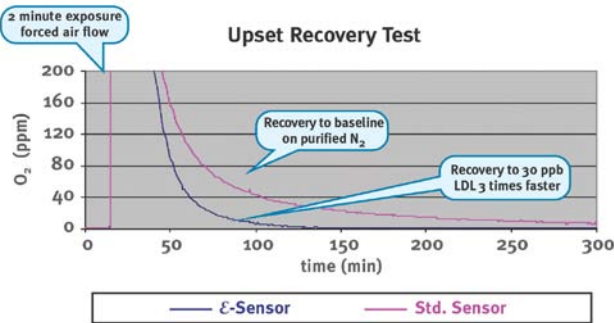


DF-110E Maintenance –Free Oxygen Analyzer for OEMs

The DF-110E with the E-Sensor provides OEMs with a flexible and accurate oxygen analyzer that can be custom configured to meet their exact requirements.

Improved Upset Recovery (figure 2)



Configuration and Installation

Delta F provides comprehensive assistance for a broad variety of application problems including sample gases with acids, hydrocarbons, particles and other contaminants. Depending on the model, Delta F analyzers can be configured to provide a wide choice of outputs for data collection and process control systems. Most Delta F analyzers can be configured for remote operation and all can be ordered with classified area enclosures. Contact your Delta F rep for an Applications Data Sheet and pricing information.

Superior Performance

- The analyzer is delivered calibrated and ready to use

Accuracy

Greater of $\pm 3\%$ of reading or 0.5% of measurement range

Fast Response

- Instantaneous response to oxygen change
- Fast response, typically less than 10 seconds to read 90% of a step change

For more information about the DF-110E, the 100E Series or the E-Sensor, visit www.delta-f.com.

DF-110E Specifications

Range

Ranges are available from 0-10 ppm to 25%

Sample Gas Compatibility

Standard Sensor – All inert and passive gases including N₂, H₂, CO, freons, hydrocarbons, etc.

Sensor With STAB-EL™ Option – Neutralizes trace contaminants including acids such as CO₂, H₂S, Cl₂, NO_x, SO_x, etc. (Consult Delta F for concentration limits)

Options

Oxygen Alarms	Classified Area Enclosures
STAB-EL™ Acid Gas System	Alarms
Remote Operation	Three Range
Remote Sensor	Sample Pump
Battery Backup	

Accuracy

Greater of $\pm 3\%$ of reading or 0.5% of measurement range

Response Time

Responds simultaneously to O₂ change.
Equilibrium time depends on specific conditions
Typically less than 10 seconds to read 90% of a step change

Sample Requirements

Gas phase, non-condensing, 0 to 150°F
Flow should be 1.0 to 3.0 SCFH at 0.2 to 1.0 psig pressure

Misc.

Operate between 0° and 45° C ambient (32° and 120° F)
115 VAC or 220 VAC at 25 Watts



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