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.

**Superior Performance**
- The analyzer is delivered calibrated and ready to use

**Accuracy**
- The greater of +/- 3% Reading or 0.5% of Range Below 2.5 ppm

**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, NOₓ, SOₓ, etc. (Consult Delta F for concentration limits)

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

**Accuracy**
- ± 2% Full Scale at constant temperature
- (Except ± 5% of Full Scale on ranges below 0-2.5 ppm)

**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

**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.

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