**DF-140E**

**Reliable, Accurate O\(_2\) Sensor in Nema 4x Enclosure**

The DF-140E with the E-Sensor delivers superior oxygen analysis for harsh and hazardous areas. The DF-140E can be used in a Nema 4x enclosure for outdoor applications and with a Nema 7 remote sensor enclosure for explosive environments.

For more information about the DF-140E, the 100E Series or the E-Sensor, visit www.delta-f.com.

**Long Term Reliability**
- The E-Sensor never requires rebuilding or replacement

**Durability**
- Can be used in Class 1, Division 1 or 2

**Low Maintenance**
- Little or no recalibration for the E-Sensor

**STAB-EL™ option**
- Allows measurement in the presence of Acid Gases

**DF-140E Specifications**

**Range**
Ranges are available from 0-10 ppm to 0-25%

**Sample Gas Compatibility**
- Standard Sensor – All inert and passive gases including N\(_2\), H\(_2\), CO, freons, hydrocarbons, etc.
- Sensor With STAB-EL™ Option – Neutralizes trace contaminants including acids such as CO\(_2\), H\(_2\)S, No\(_x\), So\(_x\), etc. (Consult Delta F for concentration limits)

**Options**
- Enclosures for Class 1, Div. 1&2
- Flow Alarm
- STAB-EL™ Acid Gas System
- Three Range
- CE Certification
- Isolated 4-20 mADC output
- Oxygen Alarms
- Remote Sensor Heater
- Sample Pump

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

**Response Time**
- Responds simultaneously to O\(_2\) 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 1.0psig pressure

**Misc.**
- 19.7 cm W x 21.6 cm H x 25.4 cm D  7kg (7.75”Wx8.5”Hx10”D 15 lbs.)
- 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.