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A Breakthrough In Oxygen Analyzer Performance

Delta F Introduces the E-Sensor And DF-300E Series of Oxygen Analyzers

Woburn, MA. How do you improve upon an industry standard? For Delta F it meant going back to the beginning and reinventing their standard non-depleting coulometric sensor. "The Delta F non-depleting electrochemical sensor of today is fundamentally the sensor that the company was founded on," according to Curt Fauth, Delta F President and CEO. "Looking to improve oxygen analyzer performance even further, we went back and re-engineered the sensor itself."

The result is the E-Sensor – an enhanced price/performance breakthrough. "The E-Sensor represents a 3 year investment in R&D," Fauth said. "We changed the materials of construction for the cathode electrode system; developed a new cathode electrode system fabrication process; eliminated the carbon anode in favor of a proprietary high purity non-carbon anode; developed new sensor assembly and conditioning processes; eliminated impurities in raw materials; and developed new electrolyte formulations and a high purity replenishment solution."

"The new E-Sensor is first available in our popular DF-300E Series of oxygen analyzers," Fauth noted. The DF-300E Series includes the following models:

- DF-310E – flexible adaptable oxygen analyzer
- DF-320E - oxygen analyzer for hazardous areas
- DF-330E – solid state coulometric analyzer
- DF-340E - NEMA 4x model
- DF-370E – NEMA 7x model

All members of the DF-300E series deliver the following benefits:

- Lowest available detection levels
- Unmatched price/performance in oxygen analysis
- Elimination of false low readings and periodic sensor replacement
- Unmatched reliability and stability
- Fast response so you can react to problems immediately
- Compact and modular design fits easily into your plant and application
- A range of affordable choices for your applications
- Improved acid gas tolerance

About Delta F

Delta F is the leader in oxygen and moisture analysis. Let Delta F answer your questions and point you in the right direction for oxygen and moisture analysis solutions – visit www.delta-f.com. See how we can help your application in semiconductor fabrication, hydrocarbon processing, chemical, oil and gas processing, pharmaceuticals or discrete product manufacturing. For help or a quote, we're just a click away – or call 781-935-4600 and speak to one of our experts.