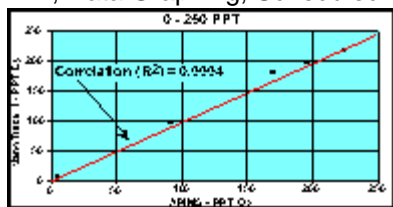


NanoTrace II

DF-560E UltraTrace Oxygen Analyzer

NanoTrace II provides the lowest LDL in the industry. Part of the extensive APIMS testing by several third parties, including SAES Pure Gas Inc., is shown. NanoTrace II is an extension of the first NanoTrace used in semiconductor fabs and analytical carts around the world. It features a lower LDL, Data Graphing, Scheduled Automatic Calibrations, Automated



maintenance Logging, and a variety of other new capabilities. Every NanoTrace is manufactured under ISO 9001/2000 control and is calibrated and operated for five weeks to ensure a fast and accurate start-up at your site.

The Ultimate Analyzer Performance

- Very Stable 75 ppt Low-Detection-Level in an industrial, low maintenance analyzer with fast dry down and upset recovery.

Automated Maintenance

- Executes automatic zero and span calibrations on a scheduled basis, or executes scheduled automatic “checks” and issues a notice when calibration is needed.
- Automatic Maintenance Log records water additions, sensor data, and calibration activity to ensure good analytical practice and ISO reord-keeping requirements.

Automated Data Logging

- Builds 4 day and 30 day graphical records of analyzer readings.
- A “Zoom” feature provides a close look at data anywhere in the long term record.
- Select “Fill and Stop” or “Continuous” data collection modes.

For more information about the DF-560E NanoTrace analyzer, ask for the Delta F UltraTrace Compendium. Visit www.delta-f.com.

DF-560E Performance

Lowest Detection Level (LDL)	75 ppt
Analyzer Resolution	50 ppt
Response Time	< 15 seconds
Accuracy (Constant Conditions)	0.1 ppb or $\pm 3\%$ of Reading
Upset Recovery	< 5 min from high ppm upset
Output Range (Lowest)	0 to 2 ppb

Specifications

Sample Pressure	15 to 25 psig
Sample Flow	1 to 3 scfh
Gas Compatibility	All inerts and passive gases including N ₂ , He, H ₂ , Ar, light hydrocarbons, halocarbons, etc.

Options

Automatic Calibration System
 Manual Calibration System
 4 – 20 mA DC Output Isolation
 RS-232 and RS-485
 Up to 4 Assignable Alarm Relays
 N₂ Case Purge
 Rechargeable Batteries
 Flow Alarm



Configuration and Installation

Delta F provides comprehensive assistance for a broad variety of application problems including measurements of semiconductor specialty gases. Depending on the model, Delta F analyzers can be configured to provide a wide choice of outputs for data collection and process control systems. Contact your Delta F representative for an Applications Data Sheet and pricing information.



Delta F Corporation
 4 Constitution Way
 Woburn, MA 01801-1087
 USA

Tel: (781) 935-4600
 Fax: (781) 938-0531

e-mail: marketing@delta-f.com