NanoTrace
DF-550E UltraTrace Oxygen Analyzer

NanoTrace provides a reliable Low-detection-level of 200 ppt in a compact, easy to use analyzer. The superior NanoTrace performance has been verified by a host of independent third parties such as Air Products and Chemicals Inc. 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.

Superior Performance
- The low LDL provides a large “Analytical Headroom” for dependable measurements.
- Fast response provides sensitive and dependable process monitoring.
- Quick upset recovery avoids “running blind” when process problems occur (shown below is a comparison of the performance of the new E Sensor vs. the standard sensor).

Low Maintenance
- Very low drift makes the need for frequent calibrations unnecessary.
- The zero purifier is used only for calibration and not to scrub the electrolyte as is common in other analyzers. Expensive and disruptive purifier replacements are not required.

Selection of Configurations
- The Automatic Calibration system can be initiated at the front panel or via digital interconnect.
- The Manual Calibration system can be included for “hand carry,” portable operation.
- The Battery and Isolation Valve options enable truly portable operation.


DF-550E Performance
- Lowest Detection Level (LDL) 200 ppt
- Analyzer Resolution 100 ppt
- Response Time < 15 seconds
- Accuracy (Constant Conditions) 0.5 ppb or ±3% of Reading
- Upset Recovery <5 min from high ppm upset
- Output Range (Lowest) 0 to 20 ppb

Specifications
- Sample Pressure 15 to 25 psig
- Sample Flow 1 to 3 scfh
- Gas Compatibility All inerts and passive gases including N2, He, H2, Ar, light hydrocarbons, halocarbons, etc.

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

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