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CD25A Conductivity Detector

Performance Specifications

Get the Benefits of performance and versatility provided by the CD25 Conductivity Detector's unique features:

- CD25 Cell geometry provides efficient sweepout, low volume, low dispersion, and excellent accuracy at both low and high conductivities.
- Low electrode mass in the conductivity cell allows for effective temperature compensation for improved reproducibility.
- The conductivity cell is mounted remotely at the end of the suppressor or column, minimizing dead volume.
- The optional DS3 detection stabilizer provides conductivity measurements that are nearly impervious to temperature variation for improved reproducibility.
- Use built-in control for the SRS® Self-Regenerating Suppressor, the most advanced suppressor for eliminating eluent detector background and providing high signal-to-noise ratio.

Specifications

Electronics type: Microprocessor-controlled digital signal processing

Cell drive: 8-kHz square wave

Linearity: 1% at 1 mS

Resolution: 0.1 nS

Full-scale analog output ranges: Eleven separate ranges from 0.01 to 3000 μ S

Electronic Noise:

± 0.1 nS when background conductivity is 0-10 μ S

± 1 nS when background conductivity is 10-100 μ S

± 10 nS when background conductivity is 100-1000 μ S

Filter: Rise times from 0 to 10 s

Temperature compensation: Selectable compensation between 0.0% and 3.0% per 1 °C

Analog signal output voltage: User-selectable full-scale recorder output of 10, 100, or 1000 mV

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Control Modes: Local or remote using relay closures, TTL, or by Chromeleon or PeakNet software through DX-LANTM

Autoranging: Autoranging digital conductivity signal monitoring with Chromeleon or PeakNet software through DX-LAN

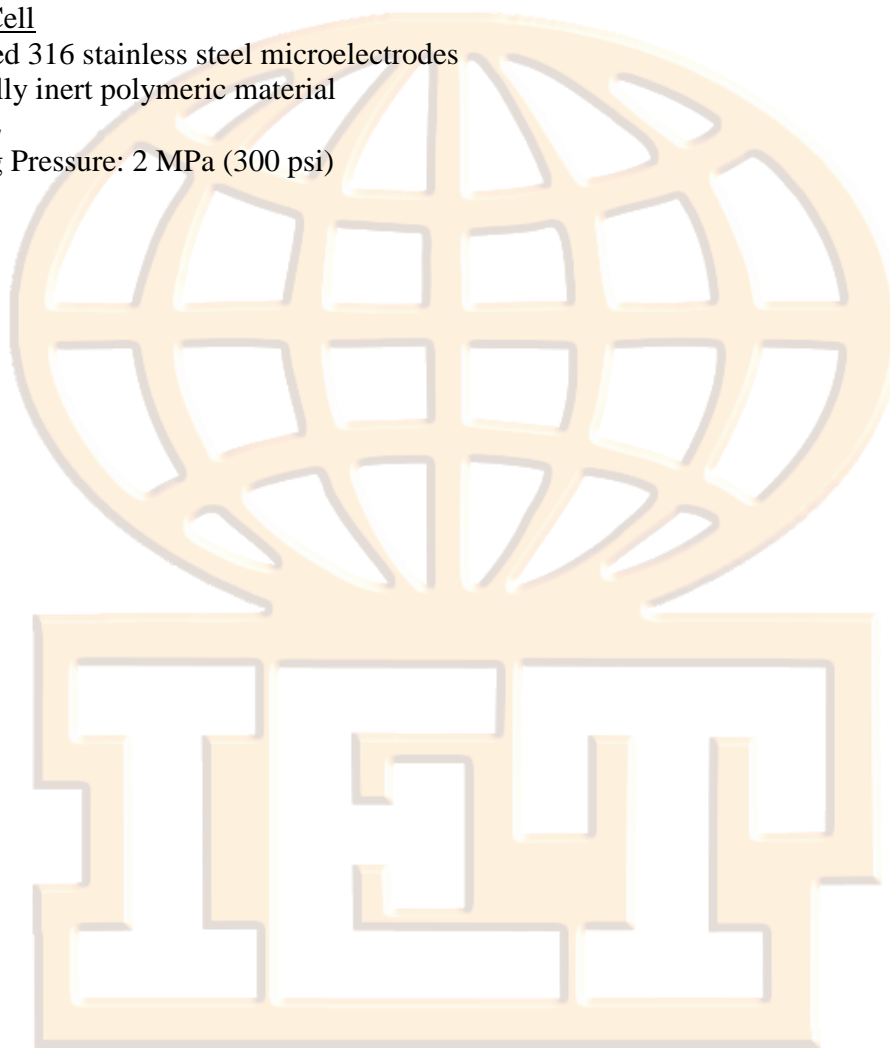
Conductivity Flow Cell

Electrodes: Passivated 316 stainless steel microelectrodes

Cell Body: Chemically inert polymeric material

Cell Volume: 1.0 μ L

Maximum Operating Pressure: 2 MPa (300 psi)



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