

SEDEX 90LT

SEDEX^{LT}-ELSDTM

Low Temperature Evaporative Light Scattering Detector

Technical Specifications

COMPONENTS

Light Source	10mW - 405nm Laser (Class 3B) Elapsed-time Counter.
Detector	High Sensitivity Photomultiplier.
Sensitivity	Mid-Picogram Level (LOD Stearic acid = 500pg).
Dynamic Range	Over Four Orders of Magnitude.
Linearity	Correlation Coefficient $R^2 > 0.99$
Temperature Range	Ambient to 100 °C.
Nebulizer	Standard HPLC: from 5 μ L/min to 5mL/min with 4 Nebulizers Ultra-High Performance LC with 1 Nebulizer SFC with 1 Nebulizer.

DATA

Analog Output	0 - 1 Volt.
Gain Setting	1 to 12 - Factor 2 ¹¹ (2048).
Filter	Moving Average (0 - 10 seconds).
Data Rate	Analog: 100Hz.

COMMUNICATION

Selection & Display	Liquid Crystal Display and Keypad.
Event	Contact Closure, TTL for Ready, Auto-zero.
Power-down Methods	Shut-off: Gas, LED, Heating and/or PMT Cleaning mode.
Computer Interface	USB, RS-232.
Software	Drivers available for EZChrom Elite, ChemStation, Xcalibur and Clarity.

EXTERNAL REQUIREMENTS

Power	230V/50Hz - 115V/60Hz.
Gas Pressure (Nitrogen or Air)	3.5bars (less than 3L/min)
Dimensions	550mm (22") D X 250mm (10") W X 480mm (18") H
Weight	18.5Kg (40lbs).



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