

SEDEX 80LT

SEDEX^{LT}ELSDTM

Low Temperature
Evaporative Light Scattering Detector

Technical Specifications

COMPONENTS

Detection	High Sensitivity Photomultiplier.
Light Source	Selected High Efficiency Blue LED (470nm) Elapsed-time Counter.
Temperature Range	Ambient to 100 °C.
Nebulizer	HPLC (100µL/min to 2.5mL/min). CC (1mL/min to 4mL/min). Flash Chromatography (100µL/min to 5mL/min).
Sensitivity	< 5ng caffeine (LOD).

DATA

Analog Output	0 - 1 Volt.
Gain Setting	1 to 12 - Factor 2 ¹¹ (2048).
Filter	Moving Average (0 - 10 seconds).
Data Rate	40Hz (Analog).

COMMUNICATION

Selection & Display	Liquid Crystal Display and Keypad.
Event	Contact Closure for Ready, Auto-zero.
Power-down Methods	Shut-off: Gas, LED, Heating and/or PMT Cleaning mode.
Computer Interface	RS-232 (option).
Software	Drivers (option).

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).
