



# SEDEX™ 80LT


FOR QUALITY CONTROL AND EDUCATIONAL LABORATORIES




Exclusive low-temperature evaporation for a better sensitivity of thermally labile and semi-volatile compounds



Drivers available for most of chromatographic software for easy integration and total control



Two versions of SEDEX™ 80LT : HPLC for analytical systems, or Flash for purification systems



Direct dynamic range of 4 orders of magnitude and extended linear region for easy and reliable quantitation

SEDEX Model 80LT Low-Temperature Evaporative Light-Scattering Detector for HPLC can be used for the detection of essentially all compounds: detection is based on a universal property of all analytes and does not require the presence of a chromophoric group, electroactive group, etc.

SEDEX Model 80LT combines sensitivity, reliability, and accuracy for your analyses, thanks to unrivalled SEDERE low-temperature technology.

This detector presents a number of outstanding innovations providing the best optical and electronic benefits at a very competitive price.

SEDEX Model 80LT can be connected to any HPLC equipment, and you can control the detector locally or via a PC (with RS-232 activated models) for a fully integrated system thanks to our range of SEDEX drivers.

A remote shut down mode is also provided to minimize cost and enhance system lifetime. Full SOP protocols are provided for GLP compliance and validation procedures.

# SEDERE IS COMMITTED TO USER SATISFACTION WITH EVERY SEDEX DETECTOR



Worldwide distribution



On-site installation and training



Full qualification protocol



Technical and application support



Web-access to application database



User seminars, on and off-site



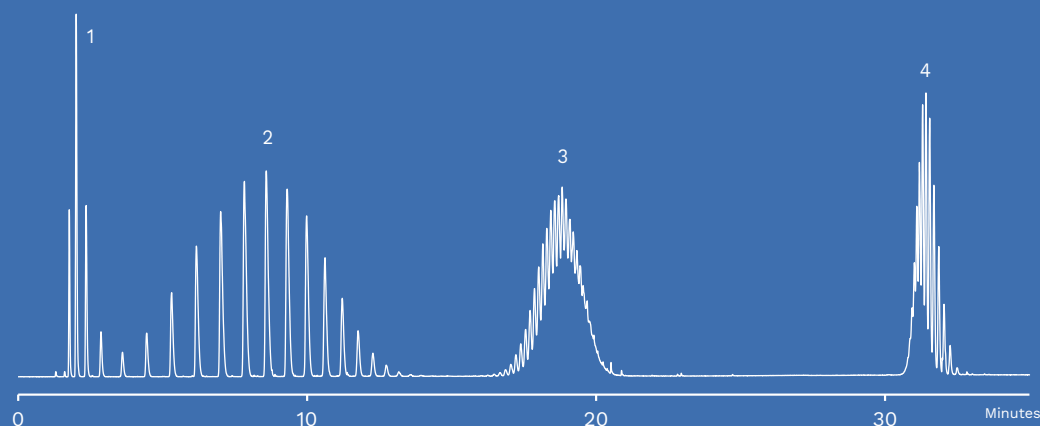
Flexible contract options



Spare parts and accessories

## APPLICATION: Surfactants

The high sensitivity and time saving potential of LT-ELSD™ are evident in the HPLC/ELSD analysis of mixtures of polymers in a single run which is not feasible with alternative methods such as RI, UV and MS detection.



1. PEG 200
2. PEG 600
3. PEG 2000
4. Triton X100

## TECHNICAL SPECIFICATIONS

### COMPONENTS

Detection	Photomultiplier (PMT)
Light Source	Blue LED 470nm Elapsed Time Counter
Temperature Range	Ambient to 100°C
Nebulizer	HPLC or Flash-Purif
Eluent Flow Rate	100µL/min to 5mL/min
Typical Sensitivity	5 ng

### DATA

Analog Output	0 - 1 Volt
Gain Settings	1 to 12
Filter	Moving average (0, 1, 2...10)
Data Rate	40Hz

### COMMUNICATION

Selection & Display	LCD Display and Keypad
Events	Contact Closure, TTL for Ready, Autozero
Power-down Methods	Shut-off: Gas, Light Source, Heating and/or Photodiode Cleaning Mode
Computer Interface	RS-232 (option)
Software	Drivers (option)

### EXTERNAL REQUIREMENTS

Power	230V/50Hz or 115V/60Hz
Gas Supply	Nitrogen or Air 3.5bar (less than 3L/min)
Dimensions	250mm (10in) W 480mm (19in) H 550mm (22in) D
Weight	18.5kg (41lb)