



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.

✉ info@sedere.com

☎ Tel: +33 (0)2 38 66 84 47
Fax: +33 (0)2 38 56 46 85

📍 Parc du Moulin, 841 bd Duhamel du Monceau
45160 Olivet - FRANCE



www.sedere.com



SENSITIVITY
FLEXIBILITY
EXPERIENCE

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



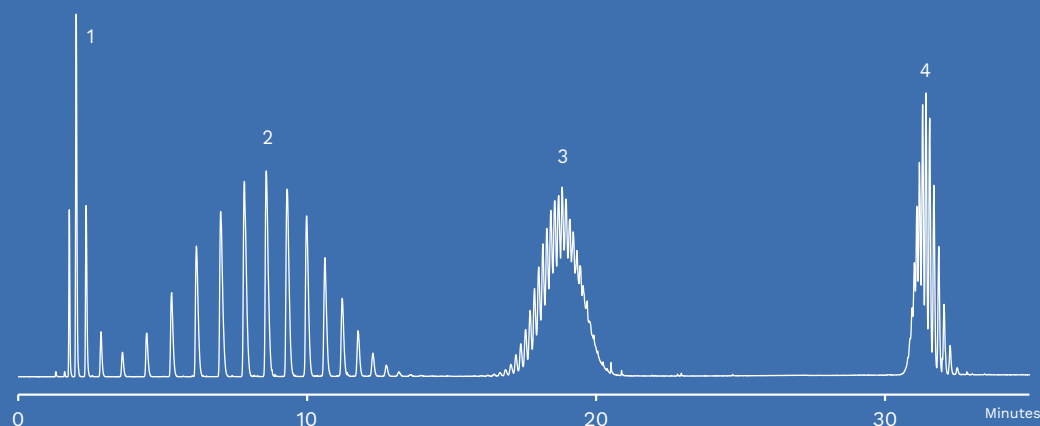
Flexible contract options



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 405nm 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)