



SEDEX™ FP FOR CHROMATOGRAPHIC PURIFICATIONS



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



Optimized purification-oriented liquid flowpath and Gas Focusing™ to prevent clogging or contamination



Direct dynamic range of 5+ orders of magnitude and extended linear region for easy and reliable quantitation

SEDEX Model FP combines simplicity, reliability and robustness for all your purification works by preparative HPLC, preparative SFC, Flash Chromatography or CounterCurrent Chromatography, thanks to unrivalled SEDEX technology.

SEDEX Model FP allows 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. This detector presents a new design and a number of outstanding innovations providing the best optical and electronic benefits at a very competitive price.

SEDEX Model FP can be connected to any purification system and control can be done either locally or via a PC 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.



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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**

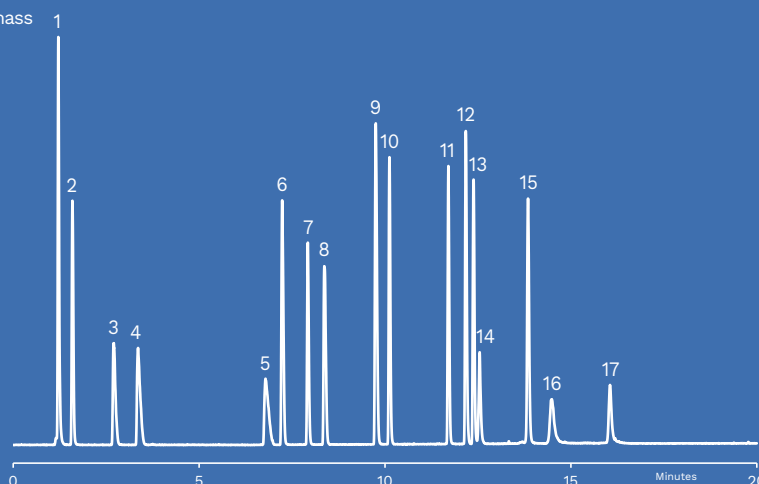


**Spare parts and
accessories**

APPLICATION: Amino Acids, Peptides, Proteins

In protein and peptide “mapping” and purification, where gradient elution is required, SEDEX™ ELSD has a key advantage over UV detection: it can detect all compounds including single amino acids, its baseline is unperturbed by the mobile phase change during the gradient, and remains flat. As a mass detector, ELSD can also provide a material balance purity assessment.

- | | |
|---------------------|----------------------|
| 1. Glycine | |
| 2. Proline | |
| 3. Valine | |
| 4. Methionine | |
| 5. Leucine | |
| 6. Tyrosine | |
| 7. GLY-TYR | |
| 8. Phenylalanine | |
| 9. Tryptophane | |
| 10. VAL-TYR-VAL | 14. LEU-Enkephalin |
| 11. MET-Enkephaline | 15. Cytochrome C |
| 12. Angiotensin II | 16. Holo-Transferrin |
| 13. RibonucleaseA | 17. Apomyoglobin |



TECHNICAL SPECIFICATIONS

COMPONENTS

Detection	SAGA-enhanced Photodiode
Light Source	Blue LED Elapsed Time Counter
Temperature Range	Ambient to 100°C
Nebulizer	Flash-Purif
Eluent Flow Rate	100µL/min to 2mL/min
Typical Sensitivity	100 ng

DATA

Analog Output	0 - 1 Volt
Gain Settings	1 to 8 or SAGA (patented)
Filter	Dedicated numerical filter
Signal Amplification	SAGA (SEDEX Automated Gain Adjustment)
Data Rate	10Hz

COMMUNICATION

Selection & Display	OLED 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	USB, RS-232
Software	Drivers (option)

EXTERNAL REQUIREMENTS

Power	100V to 240V (50Hz/60Hz)
Gas Supply	Nitrogen or Air 3.5bar (less than 3L/min)
Dimensions	250mm (10in) W 330mm (13in) H 530mm (21in) D
Weight	15kg (33lb)