

SEDEX LT-ELSD™

LOW TEMPERATURE EVAPORATIVE
LIGHT SCATTERING DETECTORS

SEDEX FP

PURIFICATION MADE POWERFUL



35 YEARS OF EVOLUTION

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SEDEX FP — PURIFICATION MADE POWERFUL

ELSD for purification



The SEDEX FP brings simplicity, robustness and reliability to all your purification workflows, powered by proven SEDEX Low-Temperature ELSD technology. Its compact, modern design integrates advanced optical and electronic innovations—delivering high performance at an outstanding value. Occupying only 10 inches of bench space, it fits effortlessly into any purification setup, and comes with full SOPs for GLP compliance and easy validation.



Engineered for cost-effective LT-ELSD™ detection in preparative HPLC, preparative SFC and Flash Chromatography, the SEDEX FP can be controlled locally or through PC software. A remote shutdown mode further reduces operating costs and extends system lifetime.

Sophisticated but intuitive, the SEDEX FP—with an external splitter—is ready for purification in just two steps:



Set the temperature, set the gain, then purify and collect with confidence.



True Low-Temperature evaporation for superior sensitivity



Universal detection for virtually all analytes — no chromophore needed



Optimized liquid flow path to prevent clogging or contamination



SAGA prevents signal saturation and delivers an extended dynamic range.

Components	
Detection	SAGA™ enabled Photodiode
Light source	Blue LED with elapsed time counter
Temperature range	Ambiant to 100°C
Nebulizers	Flash
Eluent flow rate	100 µL/min to 5 mL/min
Typical sensitivity	100 ng
Data	
Analog output	0-1 Volt
Gain settings	1 to 8
Filter	Dedicated numerical algorithm
Signal amplification	SAGA™ or fixed gain
Data rate	10 Hz
Communication	
Display and selection	OLED display and keypad
Events	Contact closure, TTL for ready, autozero
Powerdown methods	Shut-off: gas, light source, heating, and/or photodiode cleaning mode
Computer interface	USB, RS-232
Software	Drivers (option)
External requirements	
Power	100 V to 240 V (50 Hz / 60 Hz)
Gas supply	Nitrogen or air 2.0 bar (less than 3 L/min)
Dimensions	250 mm (10 in) W / 330 mm (13 in) H / 530 mm (21 in) D
Weight	15 kg (33 lb)



Dedicated SEDEX FP nebulizer and innovative cell architecture for minimal band broadening



Remote automatic shutdown to reduce consumables and protect components



IQ/OQ/PQ documentation included for GLP and validation procedures



Local or PC-controlled operation for maximum flexibility

SEDERE is committed to user satisfaction with every SEDEX detector



Worldwide distribution



On-site installation and training



Full qualification protocol



User seminars, on and off-site



Technical application and support



Web-access to application database



Flexible contract options



Spare parts and accessories