

SEDEX LT-ELSD™

LOW TEMPERATURE EVAPORATIVE
LIGHT SCATTERING DETECTORS

SEDEX 86LT

THE FLEXIBLE LT-ELSD™ PLATFORM
FOR MODERN CHROMATOGRAPHIC METHODS



35 YEARS OF EVOLUTION

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SEDEX 86LT — THE FLEXIBLE LT-ELSD™ PLATFORM FOR MODERN CHROMATOGRAPHIC METHODS

ELSD standard



The SEDEX 86LT raises the benchmark for Low-Temperature ELSD, combining exceptional sensitivity, full remote control and an even more compact footprint. Designed around SEDEX's renowned LT-ELSD™ technology, this next-generation detector delivers outstanding performance for all HPLC applications while fitting effortlessly into any laboratory environment.



With enhanced optical and electronic engineering, SOPs for GLP compliance and an evaporation drift tube optimized for efficiency and stability, the SEDEX 86LT offers powerful, reliable detection in a streamlined design. Local or PC-based operation provides maximum flexibility, while remote shutdown reduces consumables and extends system lifetime.



True Low-Temperature evaporation for superior sensitivity



Universal detection for virtually all analytes — no chromophore needed



SAGA prevents signal saturation and delivers an extended dynamic range.



Choose the ideal nebulizer: a complete range covers flow rates from 5 µL/min to 5 mL/min



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

Components

Detection SAGA™ enabled Photodiode

Light source Blue LED with elapse time counter

Temperature range Ambient to 100°C

Nebulizers HPLC, U-HPLC, SFC, CC

Eluent flow rate 100 µL/min to 5 mL/min

Typical sensitivity 1 ng

Data

Analog output 0-1 Volt

Gain settings 1 to 7

Filter Dedicated numerical algorithm

Signal amplification SAGA™ or fixed gain

Data rate 100 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 3.5 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)

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