



## Alltech® 3300 ELSD

### High sensitivity detection for analytical HPLC

We are experts in designing and manufacturing ELSDs. Alltech® ELSD simplifies analysis of difficult compounds such as pharmaceuticals, impurities, fatty acids, polymer and more.

#### Easy

Simple menu navigation for operation and maintenance



#### Universal

Detection of all compounds regardless of elution solvents



#### Sensitive

Low noise and high stability

## Alltech® 3300 ELSD: Your most important benefits



### Easy

- Easy use of interface
  - A simple, step-by-step method wizard guides you through detector setup
  - Offers seven different languages for the user interface
- Easy to maintain
  - Parts requiring cleaning or service are accessible from the front



### Universal

- Improves baseline stability and detection sensitivity compared to refractive index (RI)
- Use ELSD in parallel with UV/Vis and MS for maximum structural and concentration information
- Obtains a more accurate representation of sample mass than UV/Vis



### Sensitive

- Low noise and excellent baseline stability
- Low nanogram detection limits





## Alltech® ELSD 3300

### Technical data sheet

We offer most expertised designing and manufacturing ELSDs. Alltech® ELSDs simplify analysis of difficult compounds such as pharmaceuticals, impurities, fatty acids and polymer and more.



## Order code

**1 4 5 1 3 5 8 3 4** Alltech® ELSD 3300

## Technical data

Light Source	Laser diode with collimating optics, 650 nm, 30 mW output, class IIIB
Detector Element	Silicon photodiode
Temperature Range:	Ambient to 120 °C in 1 °C increments
Nebulizer Gas:	Nitrogen preferred; Calibrated to 4.0 L/min
Inlet Pressure:	60 - 80 psi (4 - 6 bar)
Typical Operating Range	1.0 – 2.0 L/min
Flow Control:	Digital Mass Flow Control
Mobile Phase Flow Rate:	Up to 3.0 mL/min
Analog Output:	1 V or 10 mV full scale
Communications:	Inputs: TTL/contact closure for auto zero, gas shutoff, start, and standby Outputs: Contact Closure for pump shutdown in error conditions, general events Data Ports: USB, RS232, Ethernet
User Interface:	Full color Microsoft Windows® based Graphical LCD with alphanumeric keypad
Power Requirements:	120/240 V, 50/60 Hz
Dimensions (H × W × D)	11.6" x 10.3" x 19.5" (29.5 cm x 26.2 cm x 49.5 cm)
Weight:	30 lbs (16 Kg)
IEC/FDA Classification:	Class 1 Laser Product; Complies with 21 CFR Subpart J