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# Model 300

## Evaporative Light Scattering Detector

### ELSD

The Model 300, has an array of unique features:

- The only ELSDs with **SofTA Thermo-Split™ technology**. Now you can optimize your detector for any mobile phase or flow rate by precisely controlling the vapor phase split ratio. See our technical page [The SofTA Advantage: Better by Design](#) for more details on this exciting new concept. (Patent Pending)
- The **only** ELSD with [built in data acquisition](#). View, time, integrate, and print your chromatogram without hooking up to an external computer.
- The **only** ELSD with a [full color touch screen display](#). Watch your chromatogram happen in real time, and make menu selections with the touch of a stylus.
- The **only** ELSDs with SofTA Thermo-Split™ technology: cooling as well as heating.
- The **only** ELSD with a familiar Windows® interface. If you have ever used a computer or PDA, you will feel instantly at home with our instrument.

Even with all its advanced features, the Model 300 is one of the lowest cost ELSD on the market.

The Model 300 has many more useful features. Now you can annotate a method with a Notepad® document and really describe it in detail. Never again rely on memory for what column, pump or other special apparatus you used to get the best results.

For greater convenience, use the optional liquid resistant keyboard to enter notes and data fast. Or navigate the menu with a mouse instead of a stylus. Once you have run an instrument by pointing and clicking on a graphical interface, you will wonder why other instruments aren't built this way.

With its bright color display, computer like operation, and included data acquisition, you are only a column, pump, and injector away from having a complete HPLC system.

# Specifications

Dimensions	Approximately 24”H x 20”L x 12”W
Weight	45 lb.
Display	6.5” diagonal measure color TFT LCD
User Interface	Touch screen (standard)
Operating Conditions	Intended for indoors operation only. 60°F to 85°F and <90% R.H. non condensing
Evaporative Zone temperature range	Ambient to 120°C
Nebulization Chamber temperature range	0°C to 80°C
Gas Requirement	45-55 PSI Argon or Nitrogen
Gas Consumption	Approximately 1 SLPM
Liquid Flow Rate	up to 5 ml/min.
Electrical Requirement	114—126 VAC, 50/60 Hz or 228—252 VAC, 50/60 Hz 600 Watts
Wetted Materials	Stainless Steel, Glass, Anodized Aluminum, Viton, and Silicone
Light Source	670 nm Laser Diode, <5 mW
Detector	Hermetically Sealed Photo-Diode/Operational Amplifier
Output Signal	0-10 mV DC, or 0-5 VDC
Computer Interface	RS232

## Ordering Information

<u>Description</u>	<u>Part No.</u>
SofTA ELSD Model 300, 114 - 126VAC	ELSD-300-120
SofTA ELSD Model 300, 228 - 252 VAC	ELSD-300-240



Made in the  
**U.S.A.**



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