

DR 6000EDU™



The industry's most versatile lab spectrophotometer.

With UV and Visible Spectrum capabilities, pre-programmed and configurable methods, fast wavelength scanning, and integrated quality assurance software, the DR 6000EDU ensures you are ready to handle all your analytical testing needs.

Your Analytical Testing Needs, All in One Spectrophotometer

The versatile DR 6000EDU has a wide variety of pre-programmed testing methods, including high-speed wavelength scanning across the UV and Visible Spectrum.

Accessories for High Volume and High Accuracy Testing Needs

A carousel sample changer allows up to seven sequential measurements. The Sipper Module, an instrument-controlled sample delivery system, increases precision by constant optical characteristics.

Advanced Quality Assurance at Your Fingertips

The DR 6000EDU comes with integrated QA software for scheduling, documenting and interpreting all of your needed quality measurements.

Simple Operation for Accurate Results

Easy-to-use and intuitive, the DR 6000EDU allows you to be confident you are producing high-quality, accurate and reliable results - every time.



Designed with Education and Research in Mind



The simple, easy-to-operate DR 6000EDU allows you to focus your attention on the research at hand and on your students. Optimized for education and research settings, the DR 6000EDU offers:

- An intuitive interface that is both easy-to-teach and easy-to use
- The ability to download data and analyze it on a separate computer
- Built in quality assurance so you and your students can be confident in your results

Specifications*

Operating Mode	Transmittance (%), absorbance and concentration (wavelength, time)
Source Lamp	Tungsten (visible range), deuterium (UV range)
Wavelength Range	190 - 1100 nm
Wavelength Accuracy	± 1 nm
Wavelength Reproducibility	< 0.1 nm
Wavelength Resolution	0.1 nm
Wavelength Selection	Automatic, based on method selection
Spectral Bandwidth	2 nm
Scanning Speed	900 nm/min (in 1 nm steps)
Photometric Measuring Range	± 3 Abs
Photometric Accuracy	5 mAbs at 0.0-0.5 Abs <1% at 0.5-2.0 Abs at 546 nm
Photometric Linearity	0.005 - 2 Abs ≤ 0.01 at > 2 Abs with neutral glass at 546 nm
Stray Light	KI-solution at 220 nm < 3.3 Abs/ < 0.05%

Display	TFT 7 inch WVGA color touch
Data Logger	5000 data points (result, date, time, sample-ID, user-ID)
Preprogrammed Methods	> 250
User Programs	200
Sample Cell Compatibility	Rectangular: 10, 20, 30, 50 mm, 1 inch; round: 13 mm, 16 mm, 1 inch Optional 100 mm rectangular cell with additional adapter
Dimensions (H x W x D)	8.5 in x 19.7 in x 18.1 in (215 mm x 500 mm x 460 mm)
Weight	24.25 lbs. (11 kg)
Operating Conditions	10 at 40 °C, max. 80% relative humidity (non-condensing)
Storage Conditions	-25 to 60 °C max. 80% relative humidity (non-condensing)
Enclosure Rating	IP20 with closed lid
Interfaces	USB type A (2), USB type B, Ethernet
Warranty	1 year

**Subject to change without notice.*