



## 67 SERIES VISIBLE AND UV-VIS SCANNING SPECTROPHOTOMETERS



Edu-Chem is pleased to announce the arrival of our newest product, the **67 Series Scanning Spectrophotometers, models 6700, 6705 and 6715**. With cutting edge user interface and novel operating system the 67 Series spectrophotometers offer the simplest, most intuitive operation in their class. The **67 series** offer the following **modes of operation - Photometrics** for simple Absorbance and %T measurements at selected wavelengths; **Kinetics** for timed measurement and enzyme reaction monitoring; **Quantitation** for concentration measurements based on calibration with 1 to 20 standards; **Multi-Wavelength** measurements with calculations based on up to 4 discrete wavelengths; **Scanning** at an impressive 1500nm/minute, even with data collection at 0.1nm intervals. This enables zooming to higher resolutions without the need to re-scan and full post scan re-scaling of either axis. Full 3 Year warranty, including lamp! **INCLUDES COMPLETE SET OF FUN-SCIENCE EXPERIMENTS AND 24/7 TECHNICAL AND APPLICATIONS SUPPORT.**

- Color (TFT) LCD with touch-screen interface
- Sealed QWheel™ control
- Removable SD & SD/USB memory card
- Plug-in accessory modules
- Secure multi-user operation
- PC software included

**Model 6700** covers the visible wavelength range (320-1100nm) with a spectral bandwidth of 4nm.

**Model 6705** covers the UV/visible wavelength range (190-1100nm) with a spectral bandwidth of 4nm.

**Model 6715** meets EP/USP requirements with a spectral bandwidth of 1.5nm across the UV/visible wavelength range (190-1100nm)

The large, color touch-screen display ensures the fastest response to operator input and the clearest presentation of options and results. A sealed QWheel™ is provided for fine cursor control or scrolling. With this cutting-edge user interface and novel operating system the 67 series offer the simplest, most intuitive operation in their class. Secure multi-user operation can be selected where each user's settings, methods and results are protected by PIN codes. A designated supervisor can control user access and back up data and settings. Open, free use is always available at any time without logging in to the protected areas. For extra security stored information can be held on a removable memory card.

All data, methods and settings can be transferred to another instrument or PC using the removable SD/USB memory card. Multiple instruments are easily formatted with identical settings, while the latest methods can always be uploaded from the memory cards.

The PC software included enables the easy transfer of data and methods from the instrument or SD memory card to the computer for printing, storage, presentation or further manipulation.

The removable sample chamber enables a number of plug-in accessory modules to be fitted, making the rapid configuration (and reconfiguration) of the desired sampling options possible. Accessory modules include an eight cell auto changer, a sipper pump for flow-through cuvettes, a peltier temperature controlled cuvette holder and peltier/sipper system, as well as single 10mm cuvette, long path length and test tube holders.

SPECIFICATIONS	
Light Source	Tungsten Halogen (6700) and Xenon (6705/6715)
Optics	Sealed, MgF coated, split beam
Wavelength range	320-1100nm (6700) 190-1100nm (6705/6715)
Wavelength resolution	0.1nm
Wavelength accuracy	±1.0nm
Wavelength repeatability	±0.2nm
Spectral Bandwidth	4nm (6700/6705) 1.5nm (6715)
Stray Light	<0.1 at 340nm (6700) <0.05 at 220nm (6705/6715)
Photometric ranges	-0.300 to 3.000A & 0 to 199.9%T
Photometric resolution	0.001A & 0.1%T
Photometric accuracy	±0.005 at 1A
Photometric stability	<0.001A per hour
Quantitation range	-99999 to +99999
Number of Standards	20 with up to 5 replicates of each
Curve Fit Algorithms	Linear, Quadratic and Cubic functions
Multi-Wavelength Data Points	Up to 4 wavelengths
Calculations	Difference and ratio
Kinetics time limits	0 to 9999 seconds
Kinetics calibration	Standard or Factor
Scan speed	1500nm/minute at 0.1nm data steps
Post Scan analysis	Peak/Valley pick, Peak Ratios, Area, Zoom, Wavelength Table, Derivatives, Smoothing
Configuration	Secure multi-user and Free Access
Number of Users	10 + Supervisor
Number of Methods	>1000 (on internal flash memory or removable media)
Results Storage	>1000 (on internal flash memory or removable media)
Removable Media	MM/SD memory card or SD/USB memory card
Interface	USB, Centronics, Analogue
PC Software	Supplied on CD-ROM with USB interface cable
Mains supply	100 to 230V ac / 50 or 60Hz
Sample compartment	150mm (max. height) x 130mm (w) x 210mm (d)
Size	490 x 390 x 220mm
Weight	20 lbs

PART NUMBER	DESCRIPTION	PRICE
EDU-6700-SPEC	Model 6700 visible range, 4nm SBW Single Beam spectrophotometer*	\$5,660.00
EDU-6705-SPEC	Model 6705 UV/Visible range, 4nm SBW, Split Beam spectrophotometer*	\$6,825.00
EDU-6715-SPEC	Model 6715 UV/Visible range, 1.5nm SBW, Split Beam spectrophotometer*	\$7,775.00
* All above fitted with single 10 x 10 mm cuvette holder, internal thermal 40-column printer, 1GB of internal memory, 1GB SD/USB memory card, 100 disposable cuvettes, instruction manual, US/UK/EU power cable, PC software on CD ROM with interface cable		

**SEE PRICE LIST AND WEBSITE FOR COMPLETE LIST OF AVAILABLE OPTIONS AND ACCESSORIES**