

**- Spektrofotometry -  
PEAK Instruments Inc.**

# E-1000 Series



## Introduction

- ◆ Smooth appearance design
- ◆ Ingenious color assortment
- ◆ White backlit LCD screen
- ◆ Oval buttons
- ◆ Easy parameter setting and microprocessor make the operation more convenient

## Main Features

- 70\*40 mm backlit LCD screen can show complete parameters like T,A,C,K.
- Calibrate 0%A and 100%T automatically.
- Large sample compartment can hold various cells from 5mm to 100mm and meet different test requirements.
- RS232 output port and professional analysis software UV-PRO1.0 with the functions of quantitative analysis.
- Automatic lamp switches and manual wavelength setting.
- Save and read out the test data and values of K and B.

# E-1000 Series



## Specifications

MODEL	E-1000V	E-1000UV
Display	70*40mm backlit LCD	
Wavelength Range	320 - 1020nm	190 - 1020nm
Slit Width	4nm	
Wavelength Accuracy	±2nm	
Wavelength Repeatability	≤1nm	
Photometric Accuracy	0.5%T	
Photometric Repeatability	0.2%T	
Stray Light	≤0.15%T@360nm	
Stability	0.002A@500nm	
Output Port	RS232	
Light Source	Tungsten Halogen Lamp	Tungsten Halogen/Deuterium Lamp
Power Requirements	110-220V, 50-60Hz	
Photometric Range	0-200%T, -0.3-3A, 0-9999C(0-9999F)	
Shipping Dimensions And Weight	530*460*320mm, 9 kg	

# Comparison Table

	UV/Vis.	Optical System	Display	Slit Width	Wavelength Accuracy	Wavelength Repeatability	Stray Light	Light Source	Page	
E-1000V	Vis.	Single	70*40mm LCD	4 nm	±2 nm	≤1 nm	≤0.15%T@360nm	Tungsten Halogen Lamp	1/2	
E-1000UV	UV							Tungsten Halogen /Deuterium Lamp		
C-7000V	Vis.	Single	7 inch FTF	2 nm	±0.3 nm	≤0.2 nm	≤0.05%T @220nm,360nm	Tungsten Halogen Lamp	3/4	
C-7000UV	UV							1 nm		Tungsten Halogen /Deuterium Lamp
C-7100										
C-7100S										
C-7100A				2 nm						
C-7200							1 nm			
C-7200S										
C-7200A	Double			0.5,1,2,4 nm				≤0.03%T @220nm,360nm	5/8	
X-8200	UV			Double			7 inch FTF	2 nm	±0.6 nm	≤0.2 nm
X-8200S		1 nm								
X-8200T		Touch Screen	2 nm							
X-8200TS			1 nm							
T-9100	UV	Single	Touch Screen	2 nm	±0.3 nm	≤0.2 nm	≤0.05%T @220nm,360nm	Tungsten Halogen /Deuterium Lamp	11/14	
T-9200		Double		1 nm						
T-9200S					±0.3 nm	≤0.2 nm				
T-9200A										0.5,1,2,4,nm

**Ekotechnika s.r.o.**  
K Třešňovce 700, 252 29 Karlík u Prahy, Česká republika  
+ 420 251 640 511 / info@ekotechnika.cz

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**[www.ekotechnika.cz](http://www.ekotechnika.cz)**