



Spectrophotometer

Reliability & Variety

PEAK Instruments Inc.

C COMPANY PROFILE

Our Promise

Respond to customers
and provide solutions in
8 hours.

Our Mission

Provide high quality
products and services.

Our Vision

To be a well-known
brand for analytical
instruments.

PEAK Instruments Inc is located in Houston, TX-77084, where our head office and warehouse are also located, which is a high tech enterprise integrated with R&D, production, sales and service of spectrophotometer, pH meter, conductivity meter, dissolved oxygen meter, ion meter and balances, which have wide applications in the following areas like metallurgy, pharmacy, food, health, institutes, biological chemistry, life science, petrochemical industry, quality control, environmental protection, electrochemistry and water quality analysis, etc..

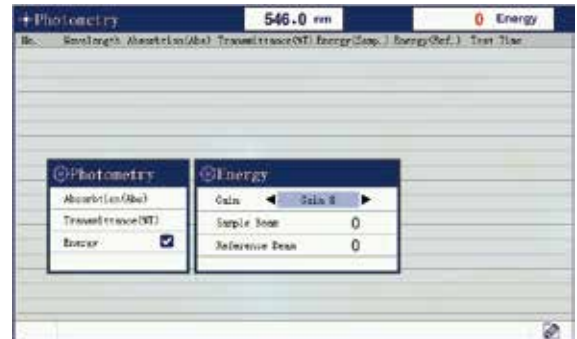
We have professional teams of management, R&D, production, QC, sales and technical support, which guarantee good quality products, competitive prices and efficient service for global customers. We have CE and ISO9001 certificates. We continuously absorb new ideas and technologies to improve our products and services in accordance with the concept of innovation, quality and service.

We have steady growth and good reputation in the markets of more than 95 countries, like USA, Argentina, Italy, Germany, Spain, Russia, Korea, India, Indonesia and Egypt.

UI Design (Silicone Buttons)

Photometry

There are three test modes.
Absorbance, transmittance and energy.



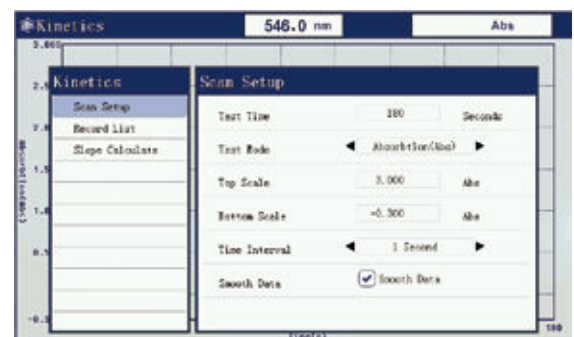
Quantitative Measurement

To test sample solution concentration, you can choose different methods like coefficient, standard curve, linearity, linearity through zero and quadratic. Up to 15 standard samples can be used to create a curve. Advanced arithmetic makes curvilinear regression more precise and test data more accurate.



Kinetics Measurement (Time Scanning)

To test the sample chemical reaction process by fixed time scanning the sample solution with fixed wavelength. The equipment can calculate its changing rate after entering the corresponding parameters.



Wavelength Scanning (Qualitative Test)

To test sample solution absorbance peak, can scan the sample characteristic curve of any wavelength range between 190 and 1100nm. You can look up the peak value on the standalone device.



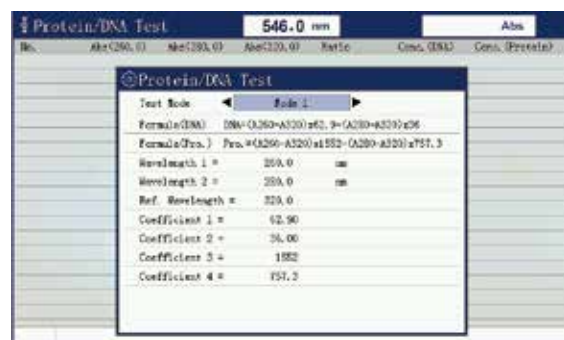
Multi Wavelength Measurement

It is much more convenient for users to test the absorbance of several wavelengths for the same sample solution, which is much simpler than single wavelength testing.



DNA/Protein Measurement

There are two test modes and formulas based on absorbance ratio 260nm/280nm or 230nm with subtracted absorbance at 320nm.



C-7000 Series

Introduction

Steady, modern and elegant appearance design. Adopt the newest microcomputer technology and electronic control system. Optimized optical system and structure can both extend new functions and ensure the accuracy, stability and durability.



Main Features

- 7 inch TFT screen and long life, more comfortable and easy-to-operate silicone buttons.
- Support USB storage and different data formats such as Excel, txt and image (PC software). Users can output test data to flash memory, open and edit them on computers directly without any auxiliary software.
- Standard RS232, USB(A) and USB(B) port.
- High-efficiency holographic grating of 1200 lines/mm and low stray light.
- The equipment has long-life socket type tungsten-halogen and deuterium lamps , can switch the lamps according to test needs and record its working time automatically. Socket type lamps make the replacement much easier.
- Excellent silicon photodiode can guarantee the equipment is highly sensitive and stable.
- Huge sample chamber and various accessories can meet all kinds of needs.
- Can be connected to printer directly and output test charts and data.
- Powerful PC software (optional) can realize scanning function.

Specifications

MODEL	C-7000V	C-7000UV
Display	7-inch TFT screen	
Wavelength Range	320 - 1100nm	190 - 1100nm
Spectral Bandwidth	2nm	2nm
Wavelength Resolution	0.1nm	0.1nm
Wavelength Accuracy	±0.3nm	±0.3nm
Wavelength Repeatability	≤0.2nm	
Photometric Accuracy	0.3%T (0-100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A)	
Photometric Repeatability	≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)	
Stray Light	≤0.05%T@220 nm, 360nm	
Stability	±0.002 A/h@500nm	
Baseline Flatness	±0.002A	±0.002A
Noise	±0.0005A	
Working Mode	T,A,C,E	
Wavelength Setting	Automatic	
Photometric Range	0-200%T, -0.3 - 3A, 0-9999C(0-9999F)	
Detector	Solid Silicon Photodiode	
Software	Optional with extended functions of scanning and DNA/protein tests	
Printer	Optional	
Keypad	Silicone Buttons	
Data Port	RS232, USB(A),USB(B)	
Light Source	Tungsten Halogen Lamp	Tungsten Halogen/Deuterium Lamp
Power Requirements	110-220V, 50-60Hz	
Humidity Range	Less than 85%	
Shipping Dimensions and Weight	750*630*410mm, 21kg	

Accessories



Integrating Sphere



Automatic 8-position round cell holder



Tube rack



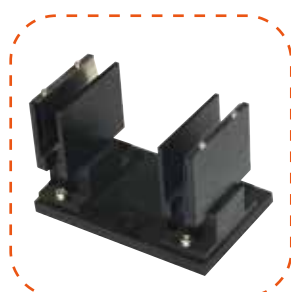
Manual 4-position film holder



Manual 4-position 10cm cell holder



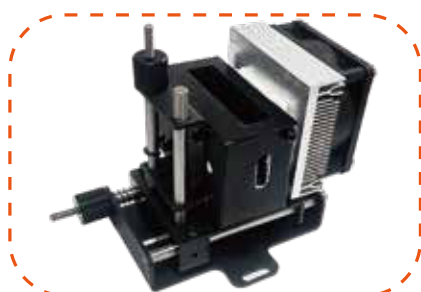
Single hole film holder



Single hole 5cm cell holder



Adjustable micro cell holder



Peltier Thermostat



Automatic Sipper

Comparison Table

	UV Optical /Vis. System		Display	Slit Width	Wavelength Accuracy	Wavelength Repeatabiltiy	Stray Light	Light Source	Page
C-7100	UV	Single	7 inch TFT	2 nm	±0.3 nm	≤0.2 nm	≤0.05%T @220nm,360nm	Tungsten Halogen /Deuterium Lamp	1/2
C-7100S				1 nm					
C-7100A				0.5,1,2,4nm					
C-7200		Double		2 nm			≤0.03%T @220nm,360nm		
C-7200S				1 nm					
C-7200A				0.5,1,2,4 nm					
T-9100	UV	Single	Touch Screen	2 nm	±0.3 nm	≤0.2 nm	≤0.05%T @220nm,360nm	Tungsten Halogen /Deuterium Lamp	5/6
T-9200		Double		1 nm	±0.3 nm	≤0.2 nm			
T-9200S									
T-9200A				0.5,1,2,4,nm					
X-8200	UV	Double	7 inch TFT	2 nm	±0.6 nm	≤0.2 nm	≤0.1%T @220nm,360nm	Xenon Lamp	9/10
X-8200S				1 nm					
X-8200A				0.5,1,2,4,nm					
X-8200T			Touch Screen	2 nm					
X-8200TS				1 nm					
X-8200TS				0.5,1,2,4,nm					
C-7000V	Vis.	Single	7 inch TFT	2 nm	±0.3 nm	≤0.2 nm	≤0.05%T @220nm,360nm	Tungsten Halogen Lamp	11/12
C-7000UV	UV							Tungsten Halogen /Deuterium Lamp	
E-1000V	Vis.	Single	70*40mm LCD	4 nm	±2 nm	≤1 nm	≤0.15%T@360nm	Tungsten Halogen Lamp	13/14
E-1000UV	UV							Tungsten Halogen /Deuterium Lamp	



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