

TakParto Spectrophotometers



Easy to use

Accurate

Scientific design



Teksan.ir

Optical Specifications

Mode	Single Beam
Detection	CCD Array (3648 Pixel) – Cooled or Uncooled
Wavelength Range	200 to 1100 nm
Optical Resolution	0.1 to 1.3 nm (Configuration dependent)
Light Source	Deuterium & Tungsten halogen lamp
Absorbance	0 to 3 A
Stray Light	<0.03 %T
Wavelength Accuracy	<±0.1 nm
Wavelength Reproducibility	< ±0.02 nm
Photometric Accuracy	Using potassium dichromate, EP method < ± 0.01 A
Photometric Noise (RMS)	< 0.001 A 60 scan at 0 A, 500 nm
Photometric Stability	<0.002 A/h after 1 hr warm-up
Baseline Flatness (RMS)	<0.01 A - 0.5 sec blank, 0.5 sec scan
Scan Time	0.5 ms to 10 s
Typical Scan Time	20 ms

Software and System

Software	Tunsu
Operational System	Windows

Physical Dimensions

Size (W x D x H)	490 x 417 x 258 mm
Weight	15kg

Power Requirements

Power Consumption	100 W
Line Voltage	220 V
Line Frequency	50-60 Hz

Environmental Conditions

Operating Temperature	5 – 35 °C
Non-Operating Temperature	-20 – 50 °C
Humidity	<95% @ 20-40 °C