

T90 and T90+ Double Beam UV Visible Spectrophotometer - PGI Instruments

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Specifications

1) Optical System:

Double Beam

- Wavelength range:

190 nm – 900 nm

- Variable Spectral bandwidth:

0.1, 0.2, 0.5nm, 1.0nm, 2.0nm, and 5.0 nm. (Fixed 2nm Band pass on T90)

- Stray Light:

0.01%T

- Wavelength accuracy:

± 0.3 nm (automatic correction)

- Wavelength Reproducibility:

0.1 nm

2)

Photometric System:

The double-beam ratio recording system.

- Optical System:

The monochromator of Czerny-Turner configuration with high-resolution diffraction holographic grating.

- Photometric Method:

Transmittance, absorbance, reflectance,

energy, concentration.

- Photometric Range:

-4.0 ~ 4.0 Abs

- Photometric Accuracy:

0.3%T 0.300%T

- Photometric Reproducibility:

0.001Abs(0~0.5 Abs) 0.001Abs(0.5~1.0
Abs) 0.15%T (0~100%T),

- Baseline flatness:

±0.001Abs

- Resolution:

0.1nm

- Baseline stability:

0.0004Abs/h (@ 500nm, after preheating)

- Absorbance Range:

-9.999 to 9.999 ABS

- Continuously variable spectral bandwidth from:

0.1, 0.2, 0.5, 1.0, 2.0 and 5.0 nm.

-Scanning Speed:

1000 nm/min

-Interface Card:

PC Compatible

-Detector:

Hi sensitivity R928 multiplier detector.

-Photometric Display:

Unlimited

-Photometric Noise:

$\leq \pm 0.0003$ Abs (500nm, 0Abs, 2nm Bandwidth)

-Slew rate of wavelength:

2400nm/min

3)
DNA/RNA Measurement:

Available
in UV Win Software

- Results Printout.
Directly
form PC system.

4)
Mainframe:

Compact and standalone spectrophotometer
mainframe

- Light Source:

Socket Deuterium Lamp and Socket
Tungsten Halogen Lamp.

- Sample Chamber:

With accesories such as two-cell sample
holder and optional integrating sphere.

- Size:

587mm. x 562mm. x 260mm.

- Weight:

34 Kg.

