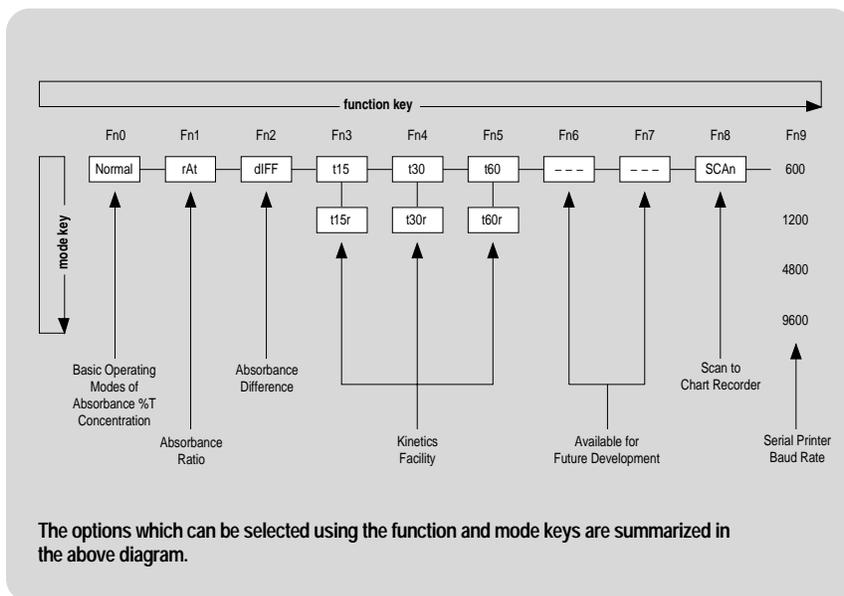


Novaspec II Visible Spectrophotometer



Specifications

| | |
|-----------------------------|--|
| Wavelength Range | 325 to 900 nm |
| Monochromator | Czerny-Turner configuration with 1200 lines/mm holographic grating |
| Wavelength Calibration | Automatic upon switch-on |
| Spectral Bandwidth | < 6 nm |
| Wavelength Accuracy | ±2 nm |
| Wavelength Reproducibility | ±1 nm |
| Light Sources | Tungsten halogen |
| Detector | Single solid state silicon photodiode |
| Photometric Range | - 0.300 to 3.000A, 0.001 to 9999 concentration units, 0.1 to 200%T |
| Photometric Linearity | ±1.0% or ±0.005 A to 3.000 A, whichever is the greater |
| Photometric Reproducibility | 0.5% of absorbance value |
| Stray Light | < 0.5 %T at 340 nm using NaNO ₂ |
| Stability | ±0.002 A/h at 0 A after warm-up |
| Noise | ±0.001 A near 0 A and ±0.002 A near 2 A at 600 nm |
| Analogue Output | 100 mV per 1.000 A |
| Digital Output | RS232C |
| Printer | Option |
| Dimensions, H x W x D | 200 x 250 x 400 mm (7.9 x 9.8 x 15.8 in) |
| Weight | 7.5 kg (16.5 lb) |
| Power Requirements | 100 to 120 or 200 to 240 VAC ±10%, 50/60 Hz, 50 VA |
| Safety Certifications | CE 89/336/EEC (EMC directive); CE 73/23/EEC (LV directive); EN-61010-1 (IEC1010-1) |

Easy to Use Keypad



Wavelength: The -Wavelength+ keys are used to select operating wavelength. Pressing both keys at the same time performs a quick peak check scan 10 nm about the current wavelength.

Mode: The Mode key selects Abs, %T or concentration modes.

Set Reference: Used to autozero Novaspec II

Concentration/Factor: By using the -Conc/Factor+ keys, you can enter a factor which causes the absorbance to be multiplied by a constant, or enter the concentration of a standard solution.

Function: This key gives access to simple kinetics, absorbance ratio/difference and scan to chart recorder.

prt/ent: This serves as an 'enter' key or sends results to an external printer.

| Catalog No. | Product |
|-------------|--|
| CGS-8291.39 | Novaspec II |
| CGS-8292.39 | NovaSWIFT Software (Includes Interface Lead) |
| CGS-8293.39 | Water Heated Cell Holder for 10 mm Cells (Requires Circulation Bath) |
| CGS-8294.39 | Venturi Action Funnel Flowcell Accessory |
| CGS-8295.39 | Test Tube Holder (12 to 20 mm) Including Cover |
| CGS-8296.39 | 5 mm Pathlength Cell Holder |
| CGS-8297.39 | Serial Interface Cable for Serial Printer with DIN Plug |
| CGS-8298.39 | Tungsten Halogen Lamp |
| CGS-8299.39 | Spare Sample Holder |
| CGS-8300.39 | Spectral Light Pipe |
| CGS-8301.39 | Dust Cover |
| CGS-8302.39 | Spare User Manual |
| CGS-8303.39 | Novaspec II Service Manual |
| CGS-8304.39 | Basic UV/Visible Educational Booklet |
| CGS-8305.39 | Basic UV/Visible Educational Poster |
| CGS-8306.39 | Test Tube Holder for 16 mm Test Tubes |
| CGS-8307.39 | Test Tube Cover for Tubes Over 100 mm Tall |