SHIMADZU
Excellence in Science

C101-E131

UV-VIS Spectrophotometer

UV-1280

Comprehensive Measurement Functions in a Compact Body
Transfer Data via USB Flash Drive to a PC!
UV-VIS Analyses Covered Using a Single Unit

Stable Data

- Combined monitor double-beam system for the D_2/WI light sources. Offers superior stability compared with Xe flash instruments.

Simple Operation

- An easy-to-see LCD and buttons enables simplified measurement and instrument validation operations.

Comprehensive Range of Measurement Modes

- Whether it be photometric measurement, DNA/protein quantitation, or advanced multi-component quantitation, this instrument is equipped with a full range of programs for ultraviolet-visible spectroscopic analysis.
- Accommodates a variety of applications utilizing a wealth of accessories compatible with other instruments in the Shimadzu UV series.

Simplified Maintenance Management

- Perform checks for eight JIS performance indices automatically or semi-automatically.
- Records the usage times of the deuterium (D_2) lamp and halogen (WI) lamp, which makes it easy to determine when it is time to replace the lamps.

Data Storage on USB Flash Drives

- Save data directly from the unit to a USB flash drive.
- Directly view data stored on a USB flash drive using commercially available spreadsheet software.

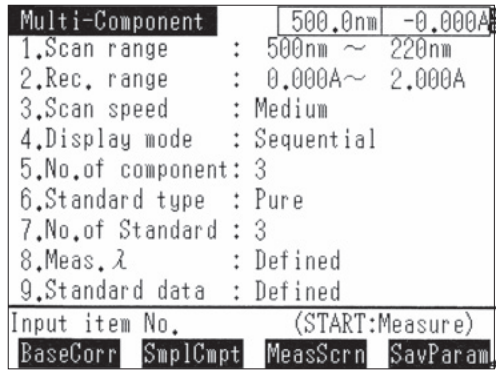
Variety of High-Level Measurement Modes

The UV-1280 is equipped with a complete range of programs needed for ultraviolet-visible spectroscopic analysis. This includes everything from easy-to-measure photometric and spectral measurements to frequently used quantitation programs, convenient DNA/protein quantitation, kinetics measurements, and advanced multi-component quantitation.

Measurement Modes

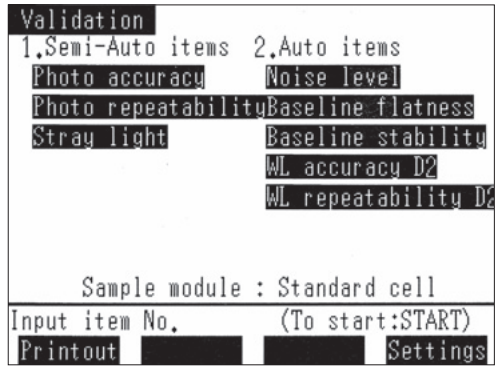
- Photometric
- Spectrum
- Quantitation
- Kinetics
- Time scan
- Multi-component quantitation
- DNA/protein quantitation

  Easily obtain DNA and protein concentrations. These concentrations are quantified directly from absorption bands in the UV wavelength region, without performing coloring operations. The wavelengths and computational formulas are preset, so simply place the sample and press the [START/STOP] key for one-touch operation. The measurement wavelengths and computational coefficients can be easily changed.



Numerous Instrument Validation/ Maintenance Inspection Features Included

- Perform checks for eight JIS performance indices automatically or semi-automatically.
- Records and displays the usage times of the deuterium (D_2) lamp and halogen (WI) lamp, making it is easy to check the replacement time of the lamps when performing periodic inspections.



Main Specifications

Spectral Bandwidth	5 nm
Measurement Wavelength Range	190.0 to 1100.0 nm
Photometric System	Monitor double-beam photometric system
Dimensions and Weight	W416 × D379 × H274 mm, 10 kg
Software	Photometric, Spectrum, Quantitation, Kinetics, Time scan, Multi-component quantitation, DNA/protein quantitation, instrument validation

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