

GENOVA BIO JENWAY -UV VISIBLE SPECTROPHOTOMETER

Reference : GENOVABIO



Genova Bio is a UV / Visible Spectrophotometer dedicated to life science applications. This easy-to-use device works in total autonomy. Genova Bio is a flexible spectrophotometer because it is compatible with a wide range of low volume tanks. This model is ideal for DNA and RNA samples. Its touch-sensitive colour display gives you quick access to pre-programmed methods for measuring nucleic acid concentration and purity, protein assay analysis and cell density analysis. Genova Bio covers a wide range of wavelengths between 198 and 800 nm, with a narrow bandwidth of 3 nm. It has a two-year warranty, xenon lamp included.

Using pre-programmed methods, up to 6 standards can be measured with up to 3 replicates per standard to minimise dilution error. Each method has an optional background corrective wavelength that depends on the measured dosage.

Measurement modes / methods available:

- Direct UV at 280 nm and Warburg-Christian
- Bradford, Lowry, Biuret and BCA
- Concentration and purity of DNA, RNA and oligonucleotides
- Dilution option for overly concentrated solutions
- Optical density of bacterial cultures and yeasts

- Photometry, concentration, quantification

- Spectral and kinetic scanning

- All standard methods

The Genova Bio's optical system consists of a diode array detector coupled to a xenon flash lamp. This technology makes it possible to perform a spectral sweep over 198 to 800 nm in less than 3 seconds. Colour touch screen, light weight (3 kg) and compact, the Genova Bio is a must-have for your laboratory.

The Genova Bio is supplied as standard with a micro-tank holder, from 50 μ l.
For even smaller volume samples from 0.7 μ l, use the TrayCell tank.

Technical characteristics

- Range: 198 to 800 nm, Precision: \pm 2 nm, Repeatability: \pm 2 nm, Bandwidth: 3 nm
 - Transmittance range: 0 to 199.9%
 - Absorbency range: -0.300 to 2.500 A, Precision: \pm 0.01 A at 1.0 A and 546 nm
 - Optical density: Reading of the optical density at 600 nm, conversion factor in cells / ml
 - Beam height: 15 mm, Light source: Xenon lamp
 - Memory: Limited by the capacity of the USB stick, Removable media: USB stick (not included)
 - Outputs: 2 USB, Export to Microsoft Excel in CSV format
 - Mains voltage / frequency: 100-240VAC at 50-60Hz
 - Power supply: 12VDC, 3.8A
 - Dimensions: 212 x 422 x 120 mm, weight: 2.8 Kg
- Composition: Comes standard with micro-tank holder, user manual and universal power cable