



Spectrophotometer Zuzi

Code HJB004 | Model 4211/20

Versatile device for precise quantitative and qualitative analysis in the visible spectrum. It is widely used in conventional laboratories and in many fields, including the petrochemical and biochemical industry, mining, agricultural engineering, hospitals, environmental conservation, as well as in scientific research and development laboratories.



Main features:

- Precise selection of the working wavelength via the keypad.
- Large LCD display (128x64 bits) easy to read.
- Memory for storing up to 200 absorbance and transmittance data.
- Up to 200 standard curves can also be stored and recalled.
- Sample compartment with manual external heat exchanger to hold up to 4 cuvettes with 10 mm light path length.
- The instrument can be controlled by a PC using the MWave Basic software (included). It is compatible with the MWave Professional software, which extends the features (not included).

Functions:

- Basic mode: measurement of absorbance and transmittance at a given wavelength.
- Quantitative mode: calculation of the concentration of different samples from the equation of a standard curve ($C=k \cdot A + b$). Two methods:
 - Coefficient: the value of the coefficients k and b of the equation are entered directly via the keyboard.
 - Standard curve: up to 9 standard samples can be used to establish the equation of the standard curve.

Reference	HJB004
Model	4211/20
Optical system	Single beam, 1200 lines/mm grid
Wavelength range	325-1000 nm
Wavelength accuracy	±2 nm
Wavelength display	±0.1 nm
Light source	Tungsten
Spectral bandwidth	4 nm
Detector	Silicon photodiode
Photometric range	0-200%T, -0.3 - 3A
Sample holder	For 4 x 10 mm cuvettes
Display	LCD
Interface	USB port, parallel port (printer)
Power	110VAC 60Hz / 220VAC 50Hz (Manual switch)
Dimensions (LxWxA)	490x360x210
Weight	12 kg