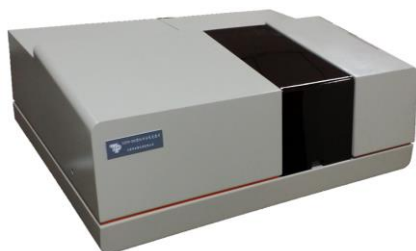


## TJ270-30A Double-Beam Infrared Spectrophotometer



Major characteristics:

Double blazed grating with high energy

TJ270-30A Double-Beam Infrared Spectrophotometer

Major characteristics

Double blazed grating with high energy

USB interface

Major data processing functions of the instrument

Record of spectrum background baseline

Smoothing operation of spectrum data

Differential coefficient operation of spectrum data

Calibration of spectrum background baseline

Calibration of spectrum baseline tilt

Arithmetic operation of spectrum data

Accumulation operation of spectrum data

Management of spectrum file

Expansion of spectrum scale

Conversion between %T and ABS

Detection of spectrum peak

Expansion of spectrum absorption

Shape and dimension: 740\*610\*270 (mm)

|   |   |
|---|---|
| Range of wave number                            | 4000-400cm <sup>-1</sup>  |
| Precision of wave number                        | ≤±4cm <sup>-1</sup> (4000-2000cm <sup>-1</sup> )<br>≤±2cm <sup>-1</sup> (2000-400cm <sup>-1</sup> ) |
| Resolution                                      | 1.5cm <sup>-1</sup> (1000cm <sup>-1</sup> around)   |
| Transmittance precision                         | ±0.2%T (exclude noise level)  |
| Flatness of I <sub>0</sub> line                 | ≤±2%T   |
| Stray light                                     | ≤0.5%T (4000-650cm <sup>-1</sup> )<br>≤1%T (650-400cm <sup>-1</sup> )                               |
| Test mode                                       | 3 modes: Transmittance; Absorbance; Single beam   |
| Scanning speed                                  | 5 steps: Very fast; Fast; Normal; Slow; Very slow   |
| Slit program                                    | Very wide; Wide; Normal; Narrow; Very narrow  |
| Response  | 4 steps: Very fast; Fast; Normal; Slow  |
| Work mode                                       | 3 modes: Continuous scan; Repeating scan; Scan with fixed wavelength                                |
| Expansion of horizontal and vertical coordinate | Arbitrary   |