

Transmittance Meter

TLV-304-BP

Quick check of transmittance with intended wavelength by a bandpass filter

Features

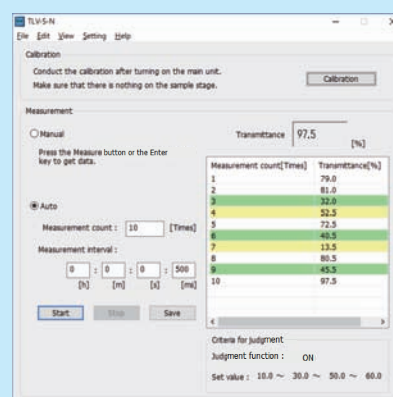
- Selectable wavelength by bandpass filter *Option
- One-touch calibration
- Not affected by ambient light
- Long lamp life
- Remote control software
- Judgment function

Applications

- Transparent conductive film glass
- Film
- Resin material
- Glass blank
- Filter glass



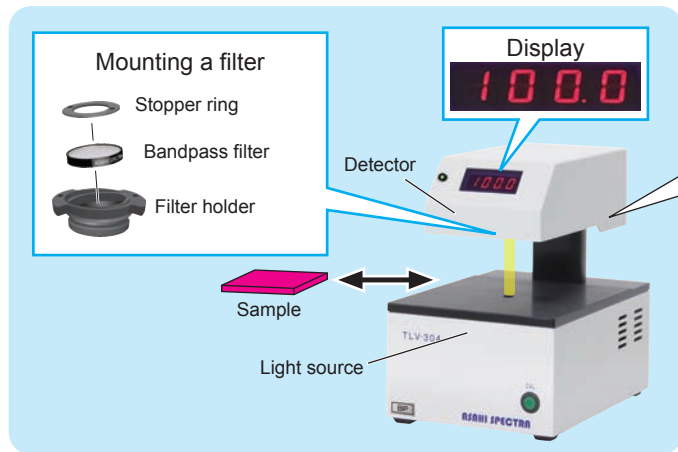
Software



- Setting of measurement conditions
- List results of measurements
- Criteria for judgment

Product Outline

The TLV-304-BP is a compact transmittance meter. This unit quickly measures the transmittance with intended wavelength by bandpass filters. It allows easy measurement by placing a sample after one-touch calibration. It is suitable for a quick inspection process to conduct large volume of measurements.

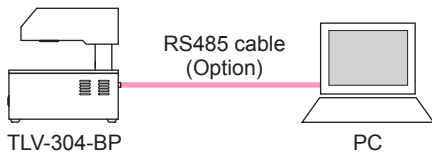


Not Affected by Ambient Light

Stable measurement is achieved by separating a measurement light from an ambient light with pulse operation of the white LED.

RS485 Remote Control

It is possible to calibrate and get the transmission data by PC via RS485.

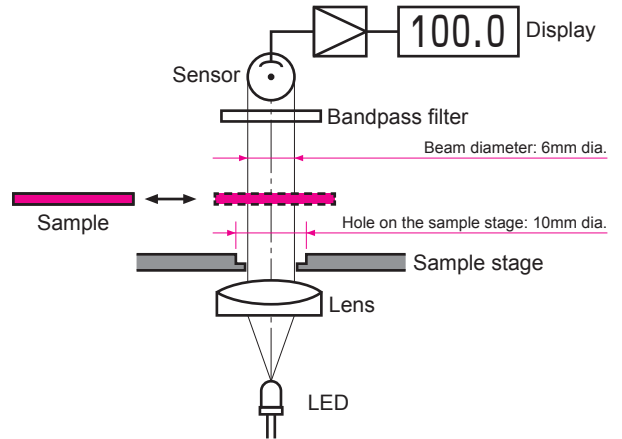


General Specifications

Model: TLV-304-BP
 Output wavelength: 440 - 730nm * Specified by a filter
 Spectroscopy device: Bandpass filter 25mm dia.
 Light source: White LED
 Display: 4 digit digital display (xxx.x) Unit: %
 Measurement accuracy: Within $\pm 2\%$ *1
 Measurement reproducibility: Within $\pm 0.5\%$
 Measurement time: 200msec
 Distance between detector and light source: Approximately 50mm
 Beam diameter: 6mm dia.
 Sample size: Min. 15mm dia.
 Input voltage: AC100 - 240V 50/60Hz
 (Input range: AC85 - 264V)
 Apparent power: Less than 7VA (AC100V/50Hz)
 Remote control: RS485 *The cable is optional.
 Recommended environment: Temperature 10 - 35 deg C
 : Humidity less than 70% *Avoid condensation
 Dimensions: 150(W) x 204(D) x 215(H)mm
 Weight: 2.9kg

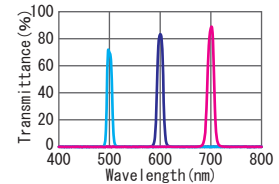
*1 It is calculated by a measurement of JQA guaranteed sample.

Optical Configuration



It is calibrated as 100% without a sample on the stage. After placing a sample, it displays the actual transmittance.

Options

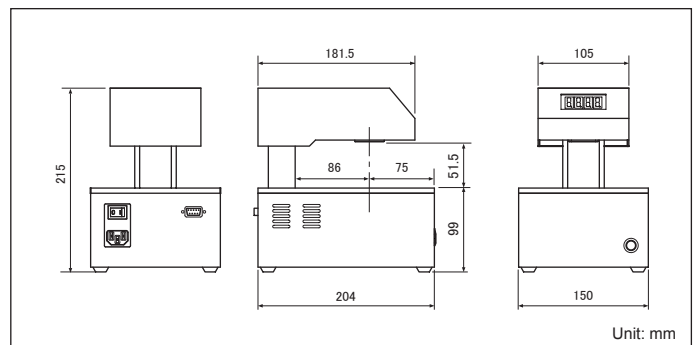


- Bandpass filter
Intended measurement wavelength is selectable by a bandpass filter.
(Specifications)
CWL: 440-730nm / FWHM: 10-12nm / Size: 25mm dia.
- RS-485 cable for software

Scope of Delivery

- TLV-304-BP main unit
- AC cable (3m)
- Filter holder *Bandpass filter is option.
- Software
- Filter fitting tool
- Instruction manual

Dimensions



*Product specifications are subject to change without notice.



Gardenia Bldg. 4F, 2-13-1 Kamijujo, Kita-ku, Tokyo 114-0034 Japan
 TEL : +81-3-3909-1151 / FAX : +81-3-3909-1152
 Email : info@asahi-spectra.com

www.asahi-spectra.com