

Transmittance Meter

TLV-304-BP

Quick check of transmittance with intended wavelength by a bandpass filter

Features

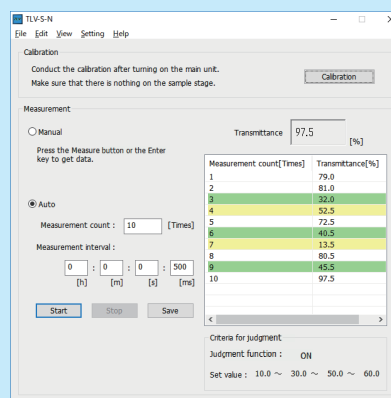
- Selectable wavelength by bandpass filter *Option
- One-touch calibration
- Not affected by ambient light
- Long lamp life
- Remote control software
- Judgment function

Applications

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



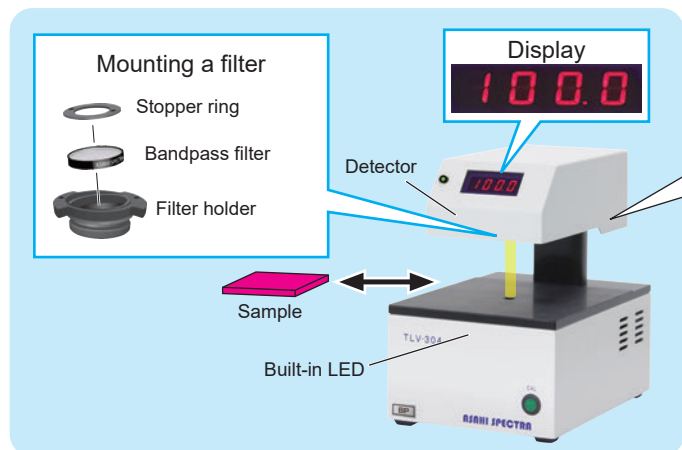
Software



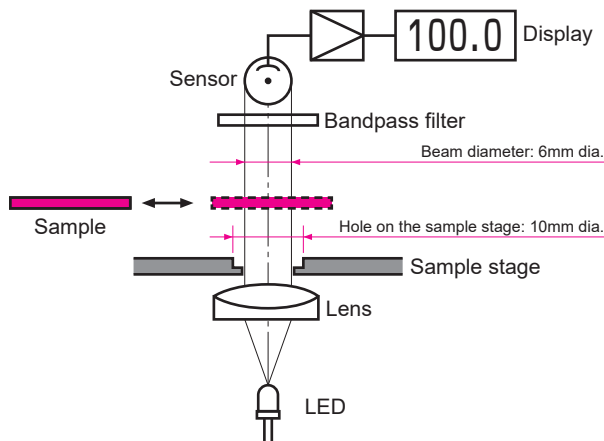
- Setting of measurement conditions
- List results of measurements
- Criteria for judgment

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.



Optical Configuration



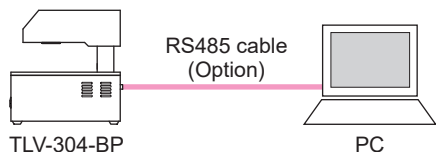
It is calibrated as 100% without a sample on the stage. After placing a sample, it displays the actual transmittance.

Not Affected by Ambient Light

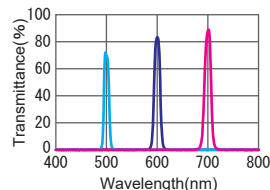
Stable measurement is achieved by separating a measurement light from an ambient light with pulse operation of the white LED.

RS485 Remote Control

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



Options



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

General Specifications

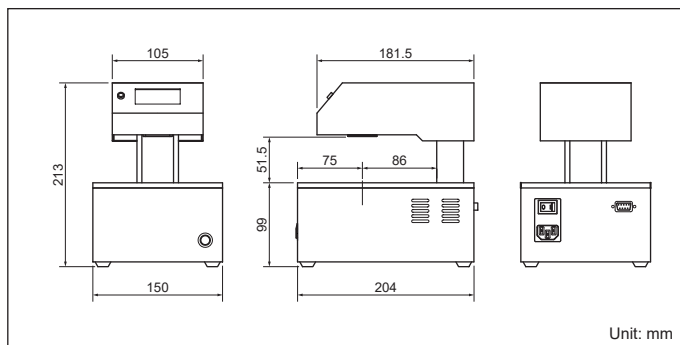
- Model: TLV-304-BP
- Output wavelength: 440 - 730nm * Specified by a filter
- Spectroscopy device: Bandpass filter 25mm dia.
- Light source: White LED
- Display: 4 digit digital display (xxx.x) Unit: %
- Measurement accuracy: Within $\pm 2\%$ *1
- Measurement reproducibility: Within $\pm 0.5\%$
- Measurement time: 200ms
- 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 213(H)mm
- Weight: 2.9kg

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

Package Contents

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

Dimensions



*Product specifications are subject to change without notice.



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

www.asahi-spectra.com