

Speedier and more accurate measuring became possible.

## Spectral Transmittance Meter

# TL-110



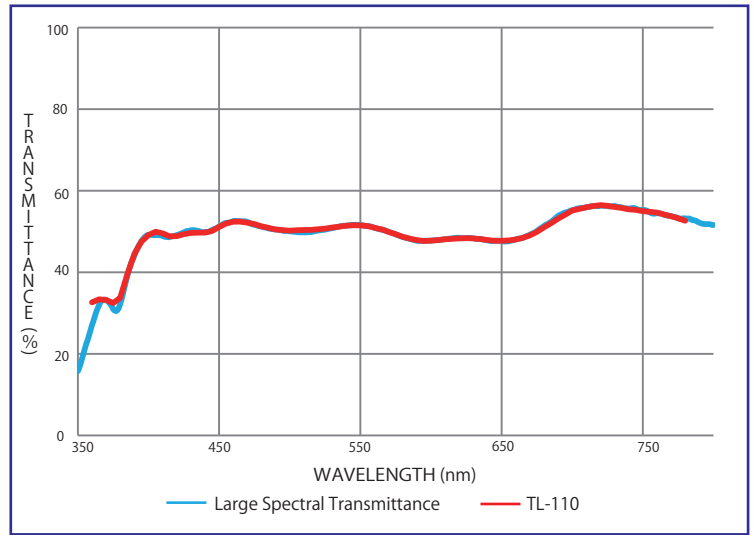
### Features

- 1 It's portable and quick and successive measuring is possible.
- 2 Measure color test numerically such as in penetration rate.
- 3 Measuring light source is power efficient and long-life by uniquely developed our LED.

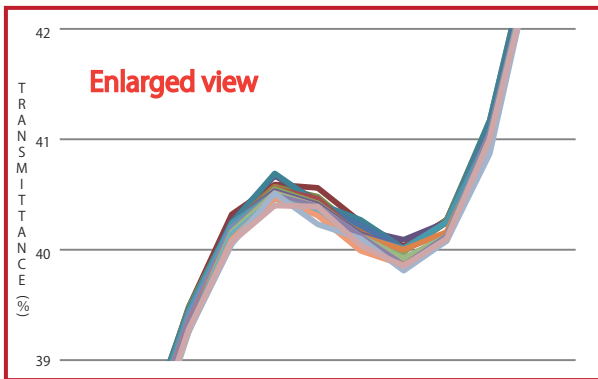
Compact and simple structure, but stability and high accuracy achieved.

Glass, resin/film, or lens is measurable. It's applicable to matte/smoky, high concentration opaque substrate.

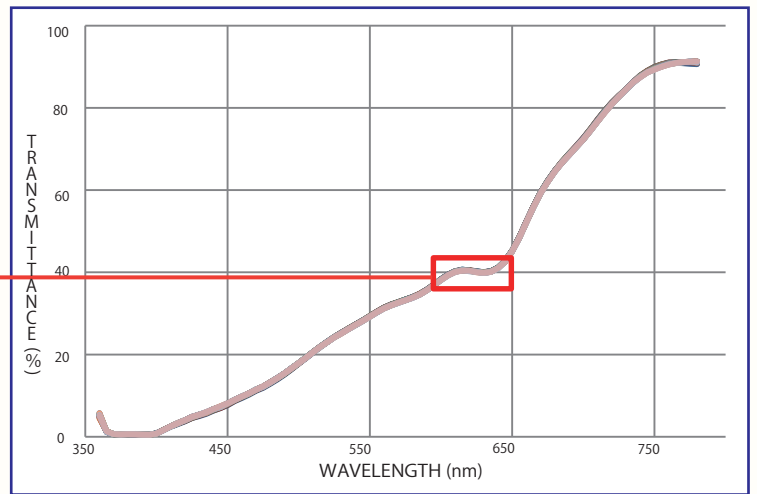
With measuring only in 2 seconds and stable successive measuring, it can be used for total number measuring or screening test.



Graph 1 Validation result of measurement



※ This shows the stability when it actually repeated measuring in 5 second interval 20 times.



Graph 2 Measurement result of repeatability

Specification	Wavelength range	360 ~ 780nm	Size	W212mm×D105mm×H93mm
	Wavelength step	5nm	Weight	1.0kg
	Maximum thickness of measuring object	25mm	Measurement interval	5sec.
	Repeatability	Within $\pm 0.5\%$ ※1	Measurement time	2sec.
	Option	The optional software can display the transmittance graph and CIE color diagram.		

※1 It is not a guaranteed value.

Method





Push the CAL button and then the calibration is performed.

Set the substrate to contact with the sensor window.

Push the MEAS button and then the measured result is saved in several seconds.



**TOKAI OPTICAL CO.,LTD.**

121 Koeda, Shinpukujicho, Okazaki-city, Aichi 444-2106 JAPAN  
 TEL:+81-564-45-8000 FAX:+81-564-45-8001  
 E-mail : thinfilm@tokaiopt.co.jp  
 http://www.tokaioptical.com



JQA-1194  
JQA-EM1032