



LABWAN

DIGITAL PHOTO COLORIMETER

PRODUCT DESCRIPTION

The LWPC-112 Digital Photo Colorimeter is designed for accurate and reliable colorimetric measurements. It features a tungsten lamp/LED light source, selenium photocell/photodiode detector, potentiometer-based adjustment, and an IC-based amplifier for stable operation.

FEATURES

- High accuracy of ± 0.02 O.D. for reliable measurements.
- Excellent reproducibility of ± 0.01 O.D.
- Good stability of ± 0.02 O.D. per hour.
- Tungsten Lamp/LED light source for consistent illumination.
- Selenium photocell/Photodiode detector for dependable detection.
- IC-based amplifier for stable and efficient signal processing.
- Potentiometer adjustment for convenient operation.

APPLICATIONS & USES

- Educational Laboratories
- Research Laboratories
- Pharmaceutical Laboratories
- Chemical Laboratories
- Food & Beverage Laboratories
- Water & Environmental Testing
- Industrial Quality Control

Technical Specifications

Parameter	Specification
Product Name	Digital Colorimeter
Model Number	LWPC-112
Accuracy	± 0.02 O.D.
Reproducibility	± 0.01 O.D.
Stability	± 0.02 O.D. per hour
Light Source	6.8V, 0.3 Amp Tungsten Lamp/LED
Key Board	Potentiometer adjustment
Amplifier	I.C. Based
Detector	Selenium photocell/Photodiode
Warm-up Time	5 Minutes
Sample System Tubes	10 mm dia matched glass test
Power Source	230V ± 10% 50Hz A.C.

ACCESSORIES

Accessory	Quantity
Glass Test Tubes	05 Nos.
Instruments Cover	01 Nos.
Operating Manual	01 Nos.
Spare Lamp	01 Nos. (Fitted inside)