

Lighting Passport Essence

Model Number: VL LPE

Features:

- ▶ World's First Smart Spectrometer
- ▶ Lightweight and Powerful
- ▶ Remote data acquisition
- ▶ Precise measurements
- ▶ Smart Devices Compatibility (Apple, Android)
- ▶ PC Analysis Software Support

Applications:

- ▶ Construction Industry
- ▶ Industrial Processes
- ▶ Agriculture
- ▶ Media and Entertainment Industry



Technical Specifications

Size (W x H x D)	68.5mm x 56mm x 17mm
Weight	76.5g
Wavelength Range	380 - 780nm
Illuminance Range	Measurable: 5 - 50,000lux / Reliable Chromaticity: 100 - 50,000lux
Output Wavelength Pitch	1nm
Optical Resolution (FWHM)	10nm
Repeatability (2 σ)	x,y: <0.0015
Accuracy (@1,000lux standard light source)	x,y \pm 0.003 / CCT \pm 3% / Illuminance \pm 5%
Integration Time	6ms - 16s
Operating Temperature / Humidity Range	0°C ~ +35°C, relative humidity under 80% with no condensation
Storage Temperature / Humidity Range	-10°C ~ +45°C, relative humidity of 85% or less (@ 35°C) with no condensation
Accessory	Adapter, Charger (Protective bag, Stand optional)
Control System	iOS (iPhone 4S and newer) / Android (Android 4.4.2 and newer with BLE BT4.0)
Display Screen	Smart devices' HD color screen
Language	English, German, French, Russian, Italian, Chinese, Japanese, Finnish (2017)
Calibration and Battery Replacement	Please Contact the Distributor

Measurement Capability

CCT, CIE 1931, CIE 1976, Spectrum Diagram, C78.377-2008, IEC-SDCM, CRI (Ra) (R1-R8), R1-R15, QQS, TLCI (Qa), GAI, Illuminance, Foot Candle, Peak Wavelength (λ_p), PPFD (380~780nm), TM-30-15 (Rf, Rg & Diagram)

Key Features

Photograph, Note, Data Comparison, Auto Connection, Auto Dark Calibration, GPS, Smart Pass

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Measurement

in mm

