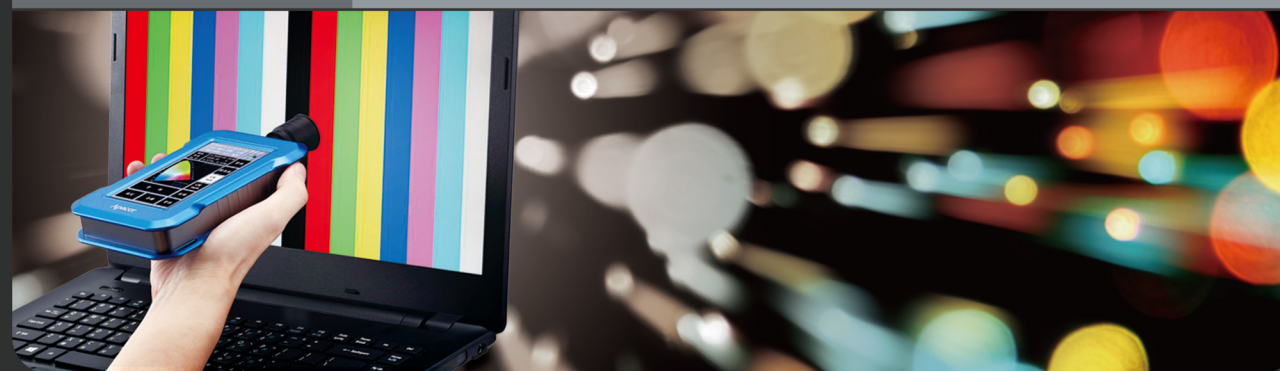


Specifications

Display	4.3" touch panel	
Measuring functions	Luminance, Color Temperature (CCT), Spectral Radiance, Color Rendering Index (CRI), Chromaticity CIE1931 x,y / CIE1976 u',v', spectrum (340nm-850nm)	
Measuring range	0.5 to 60K cd / m ²	
Measuring angle	5°	
Repeatability	Luminance	0.35% (5 cd / m ² or more)
	Chromaticity	x: 0.00055 , y:0.00055
Accuracy	Luminance	±3% (10 ~ 15000 cd / m ²)
Measure Speed (Auto / manual)	Auto 1ms~3000ms, Manual up to 60sec	
Wavelength Range	340nm - 850nm	
Spectral Resolution	Optical resolution 6nm, SW to 0.1nm	
Sensor	Sony CCD sensor	
Grating	MEMS Micro Grating	
Storage / Capacity	SD card / depend on SD card capacity	
Operation / Storage Environment	0°C to 40°C < 80% RH / -10°C to 60°C < 70% RH	
Power	Li-ion battery 2850mAh / AC adaptor	
Battery life / Usage	Life about 10000 hour / 4.8Hr (continuous measure mode) / 4.5Hr (charge time to full)	
Optical System	Shading Cylinder type optical system	
Dimensions	144 (D) × 97 (W) × 28 (H)mm (without tube) · 184 (D) × 97 (W) × 32 (H)mm	
Constant Aperture	M6, ¼ 20UNC	
Weight	< 500 g	
Accessories	USB cable · AC adaptor · tool box, 8GB SD card	
Software display	Luminance, Color Temperature (CCT), Spectral Radiance, Color Rendering Index (CRI), Chromaticity CIE1931 x,y / CIE1976 u',v', spectrum (340nm-850nm)	
SDK syntax	VC · VB	



Apacer
Access the best

AL-100 SPECTRORADIOMETER



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AL-100

SPECTRORADIOMETER

A HANDHELD TESTER IDEAL FOR TESTING SPECTRUM, LUMINANCE AND CHROMATICITY



Wide Testing Range

0.5-60K
cd / m²

- Measuring range of 0.5-60K cd / m²



Fast Measurement

- Auto measuring time 1ms~3000ms
- Manual measuring time up to 60sec



Contact/ Distance Measurement

- Allows reading in both bright and dark room
- Enabling timely measurement



4.8hr High Capacity Lithium Battery

- Approximately 3000mAh battery power
- Offering up to 4.8 hours of continuous testing



SD Card Storage

- Allows immediate data storage
- Expandable capacity by using SD cards
- Easily download data by using AL-100-SW software



Handheld Design

- Adopts MEMS technology offering miniaturization
- Machine weighing less than 500g



Data Visualization and Infographics

- Multiple graphs and figures: CRI, 1931x,y, 1976u',v', and spectrogram



AL-100-SW Software

- Supports Windows operating system
- Easy to collect and test data by computer-controlled
- Diagram of luminance, color and spectrum distribution

Main function

Television, various types of display



TV

LCD

Notebook

Smartphone

Names of various parts

Test button

Power

Strap hole

Tripod socket

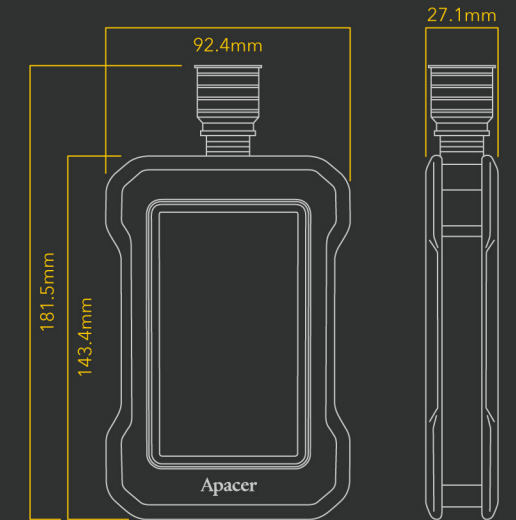
Lens

Strap hole

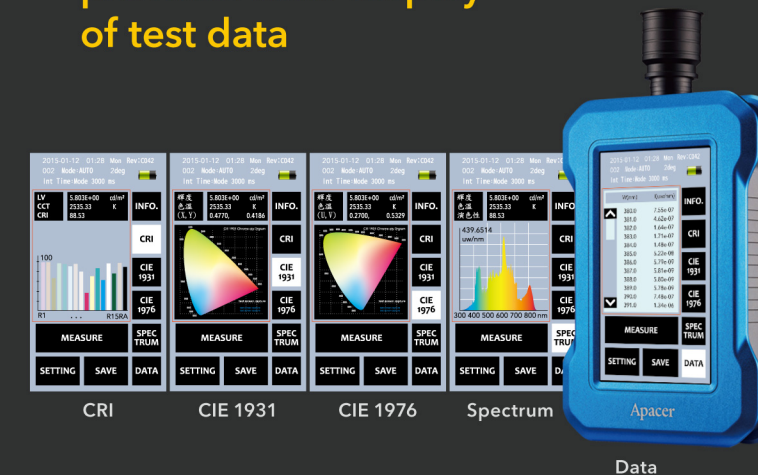
SD card

Mini USB

Dimensions



Standard AL-100-SW software provides clear display of test data



CRI

CIE 1931

CIE 1976

Spectrum

Data