Chroma2 Pocket Portable Spectrometer for LED Lamp Test Equipment with 10 cm Integrating Sphere

LX-Chroma2A light source colorimeter is a newly developed pocket colorimeter, adopting advanced spectrometer and microprocessor technology. It makes traditional laboratory

instrument available for the production on-line quality acceptance, thus greatly improve the efficiency of fluorescent lamp, CFL, LED manufacturing.

Characteristics and specifications;

Adopting micro-spectrometer technology which has higher accurate than traditional photo-detectors.

Measure chromaticity coordinates temperature, chromaticity coordinate, rending index, color difference, etc.

Data hold, save and open function. Several groups of data can be saved.

Accuracy of chromaticity coordinates: ±0.003(x, y)

128*64 LED of graphic interface displaying spectrum wave, chromaticity diagram.

USB interface for PC communication

Quality Li-Battery for recycled-utilization

Can test parameters

1. Total colour difference dE*, The difference in lightness dL*, The difference on the red-green coordinate da*, The difference on the blue-yellow coordinate db*;

2. CCT(Correlated Color Temperature) Tc and Chromaticity Coordinates x,y, u,v;

3. Correlated color temperature difference dTc and Chromaticity coordinate difference dx,dy,du,dv;

4. CRI(Color Rendering Index), Color Tolerance;

5. Peak wavelength, FWHM, Dominant Wavelength, Purity;

6. Center wavelength, Centroid wavelength etc.

Technical indicators
1. Range of wavelength: 380nm-780nm(visible sight);
2. Accuracy of wavelength: ±0.5nm; Repeatability: ±0.2nm;
3. Accuracy of chromaticity coordinate: ±0.0025 (Resolution: 0.0001);
4. Correlated color temperature measurement range: 1500-25000K; Accuracy: ±3%, Resolution: 1K;
5. Total accuracy of color difference: Less than ±0.2 (Measurement conditions: Under the standard of A light source);
6. Power supply: 3.7V Li-Battery;
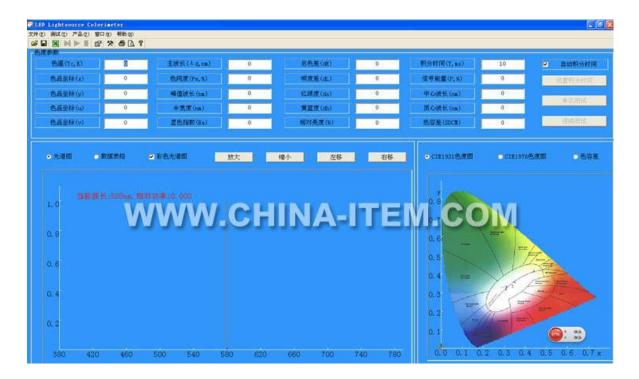7. Product Size: 90mm * 180mm * 48mm

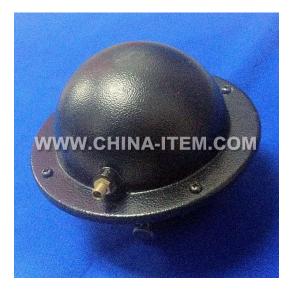8. Weight: approximate 1kg

9. Integrating Sphere Size: 10cm

Standard Light Source Type: A-2856K, B-4874K,C-6774K,

D65-6504K, E-5448K;

Color Tolerance Type: F8000, F6500, F5000, F4000, F3500, F3000,

F2700, Auto.