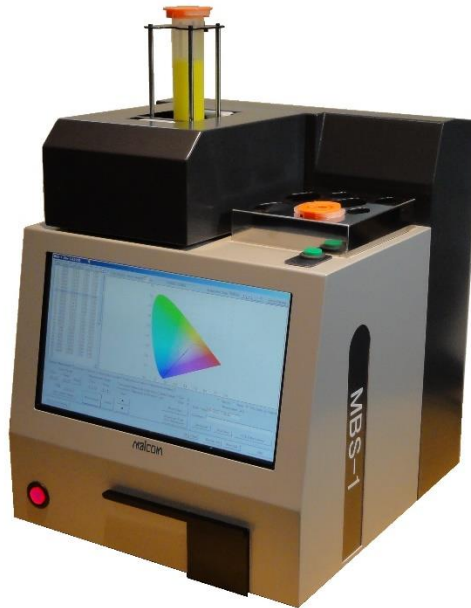




Fluorescence Spectrophotometer MBS-1



Usage

- Can be done before potting in the state of the syringe compounding rate target prediction and color coordinate scatter phosphor concentration.

Feature

- Before potting at the production site
- To manage the number that the quality of the sealing material contained in the syringe is constant is possible.
- You can measure the distribution and concentration of the phosphor blend more than one condition in the sealing material contained in the syringe.
- Research and development in the field
- MBS-1 measured in the sealing material in the syringe, you know the chromaticity values to the chip prior to potting.
- Predictable or mixed at a ratio which more than one phosphor to create a sealing material chromaticity values of hope, of correlated color temperature.

Product specification

Item		Specification
Model Name		MBS-1
Method		Fluorescence Intensity Measurement
Detector		3648 Element Linear Silicon CCD Array
Measurement Wavelength		380~780nm
Displayed Items		Density Measurement
		Spectral Radiant Flux ($\mu\text{W}/\text{nm}$, $\mu\text{W}/\text{cm}^2/\text{nm}$), Irradiance ($\mu\text{W}/\text{cm}^2$) Concentration dispersion of encapsulant in a syringe
		Integrating sphere Measurements
		Luminous Flux (lm), luminous Intensity (cd), CIE Chromaticity Coordinate (x,y,z,u,v,u',v'), Correlated Color Temperature (K), General Color Rendering Index (Ra), Color Rendering Index (R1 ~R8), Special Color Rendering Index (R9~R15)
		Predictive capabilities
		Luminous Flux (lm), luminous Intensity (cd), CIE Chromaticity Coordinate (x,y,z,u,v,u',v'), Correlated Color Temperature (K), General Color Rendering Index (Ra), Color Rendering Index (R1 ~R8), Special Color Rendering Index (R9~R15)
Syringe	Size	5 cc, 10 cc, 30 cc and 55 cc
	Accuracy	Spectral Radiant Flux ($\mu\text{W}/\text{nm}$) : $\pm 2\%$
	Operation Stroke	0 mm~120 mm
	Measurement Speed	2 mm/s (max. speed)
	Excitation Light Source	Blue LED with feed back (approx. 441 nm)
Integrating Sphere	Accuracy	Spectral Radiant Flux ($\mu\text{W}/\text{nm}$) : $\pm 2\%$
	Measurement Speed	1 ms~5000 ms

	Excitation Light Source	Arbitrary chip LED Current: 10~350mA
Interface		USB
Operation Panel		10.1 inch color LCD (touch panel)
Outer Dimension		330 (D) x 280 (W) x 350 (H) (mm) (the projection portion is not included)
Power Supply		100 ~ 240V AC
Weight		Approx. 13 kg

*** The above specifications are subject to change without notice.**