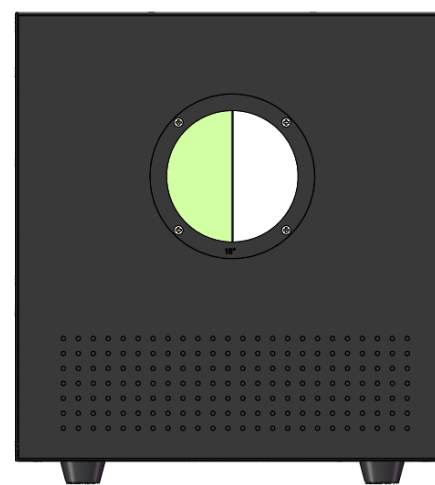


# LEDMax

LEDMax is a trichromator that enables the estimation of an individual observer's color matching functions using Maxwell's matching method. It includes 18 LED light channels from which different triplets are selected and matched by the observer to a white standard light. From these matches, the system can estimate the observer's personal LMS cone fundamentals and XYZ color matching functions.



LEDMax-P18	
LED channels* <sup>1</sup>	18 channels
Spectral range	400-700nm
LED channel drive method	Amplitude Modulation
Resolution* <sup>2</sup>	12bit (4096 steps dimmable for each channel)
Warm up time	10 minutes
Peak Wavelength of LED (±5nm)	405 415 432 441(Broad band) 449 461 475 508 526 546 549 576 595 606 636 662 675 706
Observation circle size	2° field of view: Φ17mm 10° field of view: Φ88mm
Electrical	100-240V 50/60Hz 100W (max)
Connection	USB cable
Dimensions(L/W/H)	246mm*290mm*315mm
Weight	12 Kg
Scope of delivery	Light source、 control box、 power cord、 connecting cord of light source、 connecting cord from USB to 485、 485 cord、 SOP
Software	Single channel control(.DLL)

\*1 : The number of different LED types.

2: Only 4000 steps can be used because some steps are used for calibration at low luminances .

