



The essentials of Imaging

Specifications

Receptor	Detector : Silicon photo cell
Measurement area	21mm
Display range	Luminance: 0.01 to 999.9cd/m ²
	Chromaticity: Display in 4 or 3-digit value (Can be chosen)
Luminance	Measurement range: 0.05 to 999.9cd/m ²
	Accuracy: +/-2%*/-1digit (Calibration CRT 6500K(D65)) *1
	Repeatability: 0.2%+1digit (2σ) (6500K (D65))
Chromaticity	Measurement range: 0.05 to 999.9cd/m ²
	Accuracy:
	0.05 to 0.19cd/m ² ±0.006 (for white)
	0.20 to 0.49cd/m ² ±0.004 (for white)
	0.50 to 999.9cd/m ² ±0.003 (for white)
	(Calibration CRT 6500K (D65))
	40cd/m ² ±0.002 (for white), ±0.004 (for monochrome)
	Repeatability:
	0.05 to 0.19cd/m ² 0.006 (2σ)
	0.20 to 0.49cd/m ² 0.002 (2σ)
	0.50 to 999.9cd/m ² 0.001 (2σ)
Measurement speed (Single-point probe, Use USB (RS-232C*2))	xyLv:
	0.05 to 0.99cd/m ² 5 measurements/sec. (4.5 measurements / sec.)*5
	1cd/m ² or higher 20 measurements/sec. (17 measurements / sec.)*5

Display	Digital: xyLv, TΔuvLv, RGB analyze, XYZ, u'v'Lv
	Analog: Δx,ΔyΔLv, R/G, B/G, ΔG, ΔR, B/R, G/R
SYNC mode	NTSC, PAL, EXT, UNIV, INT
Object under measurement	Vertical synchronizing frequency : 40 to 200Hz
Memory channel	100 channels
Analyzer function	Standard function
Interface	USB (1.1 conformity) , RS-232C (38,400bps or below)
Multi-point expansion	Max. 5 points (with 4-Probe Expansion Board CA-B04)
Operating environment conditions	Temperature : 0 to 40°C (32 to 104°F) ; relative humidity 85% or less (at 35°C/ 95°F) with no condensation, Installation category : II, Pollution degree : 2
Storage temperature range	-20 to 55°C (-4 to 131°F) ; relative humidity 85% or less (at 35°C / 95°F) with no condensation
Input voltage range	100 to 240V~, 50/60Hz 50VA
Size	Main body, Probe: 340 (W) x 127 (H) x 216 (D), &fi;49 x 204
Weight	Main body, Probe: 3.58kg, 520g
	*1 Based on Minolta Standard LCD or CRT
	*2 Baud rate : 38,400bps
	*3 Measured by Minolta's PC (PIII-600MHz)
	*4 Measurement of flicker (JEITA method) is supported by SDK software
	*5 At the CA-200 mode