

UV light meter UIT-250 UIT-250A

Features

1. Illuminance measurement in 5 wavelength ranges is possible by exchanging the receiver
2. Powered by batteries or external power supply
3. Extension cable compatible (Body to receiver: 2m, 5m, 10m, 15m, 20m)
4. Measurement of illuminance, peak illuminance, integrated light intensity, and illuminance distribution
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5. Illuminance distribution measurement for up to 4 minutes with built-in memory
6. Enabling/disabling the auto power OFF function
7. Serial communication function with PC

Loading illuminance distribution data Switching measurement range

Confirmation of samples/second Illuminance measurement



composition

accessories

Instruction manual Trunk case
Dry battery (AAA x 3)
precision screwdriver

option

Extension cable
(Standard: 2m, 5m, 10m, 15m, 20m)

Separate type receiver

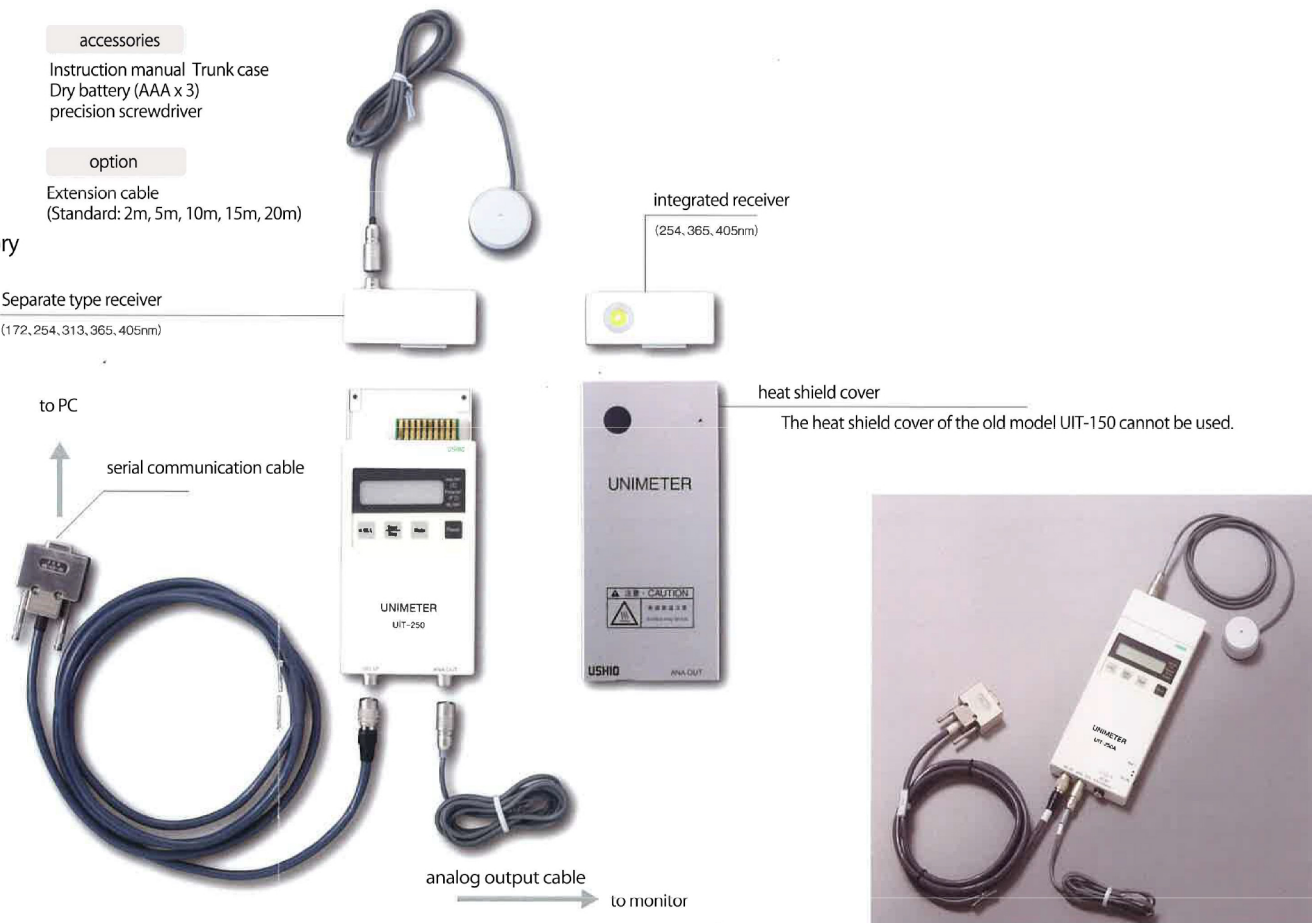
(172, 254, 313, 365, 405nm)

integrated receiver

(254, 365, 405nm)

heat shield cover

The heat shield cover of the old model UIT-150 cannot be used.



UIT-250A

The power supply can be switched between dry batteries or an external power supply (AC adapter).

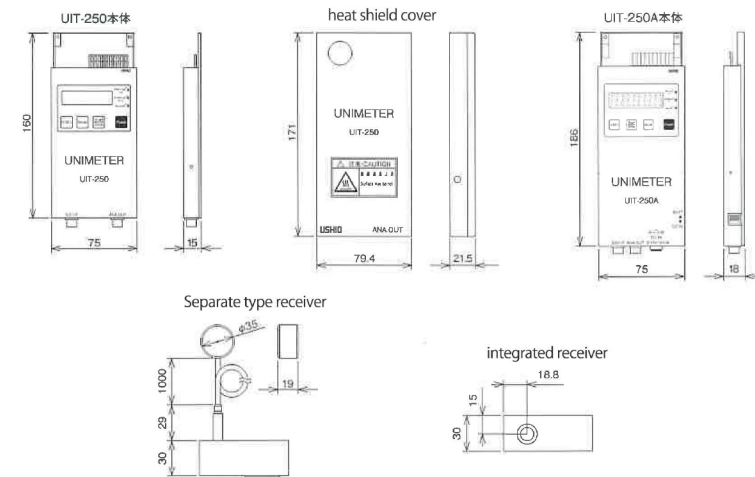
**"UIT-250A" does not come with a trunk case because it is assumed to be installed in equipment.



specification

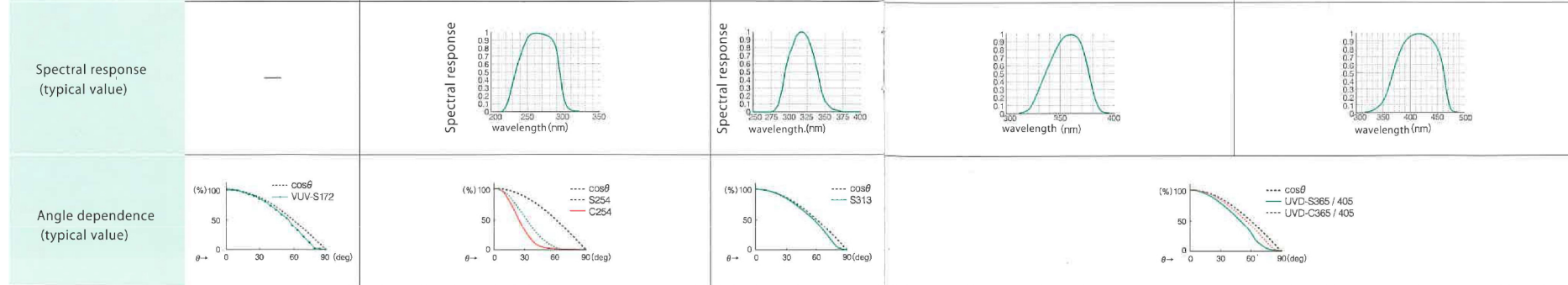
model	UIT-250	UIT-250A
display	There is a display screen on the main unit LCD digital display, illuminance 4 digits, integrated light intensity 5 digits	
function	Real-time display, peak illuminance, integrated light intensity, illuminance distribution, temperature, 3-stage range switching, auto power off (5 minutes/disabled)	
illuminance distribution output	Analog 0-1V output, maximum recording time 2 or 4 minutes (when connected to a recorder)	
sampling plate	16 or 32 samples/sec16 or 32 samples/sec	
Communication specifications	Communication specifications: half-duplex, synchronization method: start-stop synchronization (asynchronous) Baud rate: 4800bps (fixed), transmission code: ASCII Data length 8bit (fixed), stop bit: 1, parity: none, delimiter: CR	
power supply	3 AAA batteries	3 AAA batteries or external power supply
Dimensions (mm)	75(W)×160(D)×15(H)	75(W)×186(D)×18(H)
Weight (g)	250	330
heat shield cover	Mountable (Integrated type only)	Not mountable

External view(Unit: mm)



Receiver specifications

model	VUV-S172	UVD-C254	UVD-S254	UVD-S313	UVD-C365	UVD-S365	UVD-C405	UVD-S405
type	Separate type	Integrated	Separate type	Separate type	Integrated	Separate type	Integrated	Separate type
Sensitivity wavelength range (nm)	150~400	220~310		280~360	310~390		320~470	
Absolute value calibration wavelength (nm)	172	254		313	365		405	
Calibration accuracy (%)	±5	±10	±10	±5	±5	±5	±5	±5
Light receiving diameter (mm)	φ4	φ10	φ3	φ3	φ10	φ1	φ10	φ1
Nonlinearity (%)	±1以内	±1以内	±1以内	±1以内	±1以内	±1以内	±1以内	±1以内
Operating temperature range (°C) (receiver temperature)	0~50	0~50	0~50	0~50	0~50	0~50	0~50	0~50
temperature dependence	-0.2%/°C	-0.2%/°C	-0.2%/°C	-0.2%/°C	-0.2%/°C	-0.2%/°C	-0.2%/°C	-0.2%/°C
illuminance measurement range	H range 0.0~999.9 M range 0.00~99.99 L range 0.000~9.999	0~9,999 0.0~999.9 0.00~99.99		0.0~999.9 0.00~99.99 0.000~9.999	0~9,999 0.0~999.9 0.00~99.99		0.0~999.9 0.00~99.99 0.000~9.999	0.0~999.9 0.00~99.99 0.000~9.999
Accumulated light intensity measurement range	H range 0~9,999.9 M range 0.0~999.99 L range 0.00~99.999	0~9,999.9 0.0~9,999.9 0.00~999.99		0~9,999.9 0.0~999.99 0.00~99.999	0~9,999.9 0.0~9,999.9 0.00~999.99		0~9,999.9 0.0~999.99 0.00~99.999	0~9,999.9 0.0~999.99 0.00~99.999



These figures and graphs are representative reference values and do not guarantee these specifications for all products. The VUV-S172 is an illuminometer exclusively for measuring excimer lamps made by our company.