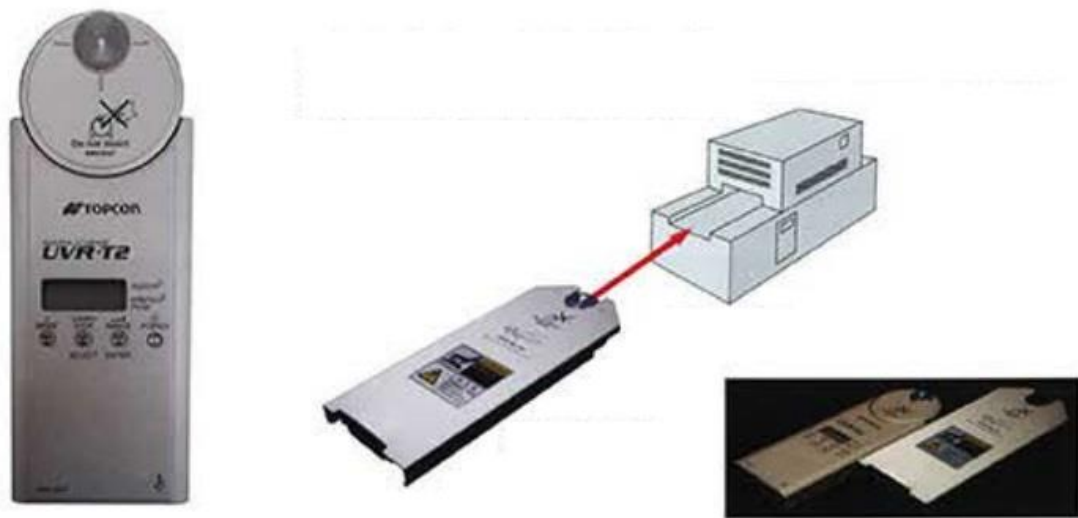


## industrial UV checker UVR-T2

Improved usability and high-precision measurement at high speed

The heat-resistant design of the metal body and the standard attachment of a heat-insulating cover ensure stable and accurate measurements.

The industrial UV checker UVRT2 is used in curing and drying models. UV lamp can be used. Based on the reset value of the instrument, the comparator can be used to improve retention.



### Main use

field	Use/Example
electronic components	Electronic component marking printed circuit board manufacturing
printing	sticker label printing plastic film printing
Painting	printing paper molded plastic Optical disc coating
adhesion	Printed circuit board adhesion Adhesion of glass parts Adhesion of seals

## Feature

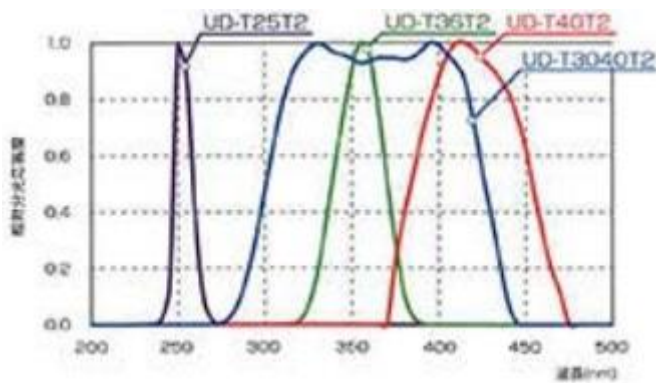
### 1. 4 types of receivers



4 types of receiver are available according to the target wavelength. Equipped with a function that automatically recognizes 4 types of light receiving areas

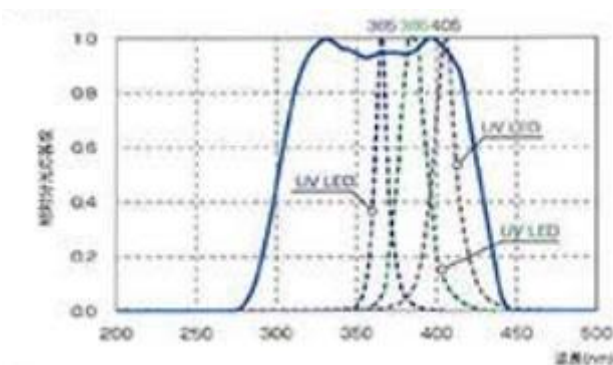
UV curing→UD-T36T2 UD-T40T2 UD-T3040T2

UV sterilization, cleaning→UD-T25T2



### 2. LED compatible (UD-T3040T2)

Due to the wide and flat spectral responsivity of the UV wavelength range, it is possible to measure light within the sensitivity range without depending on the emission wavelength distribution of the UV-LED.

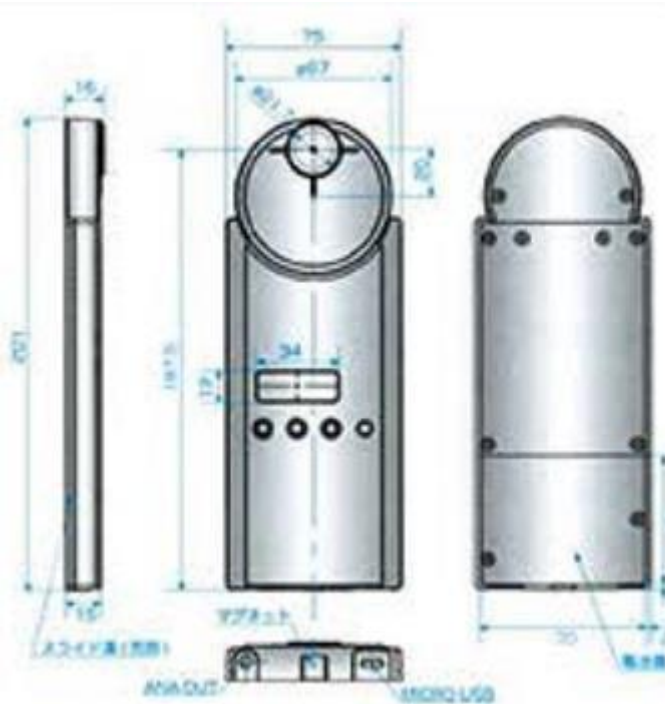
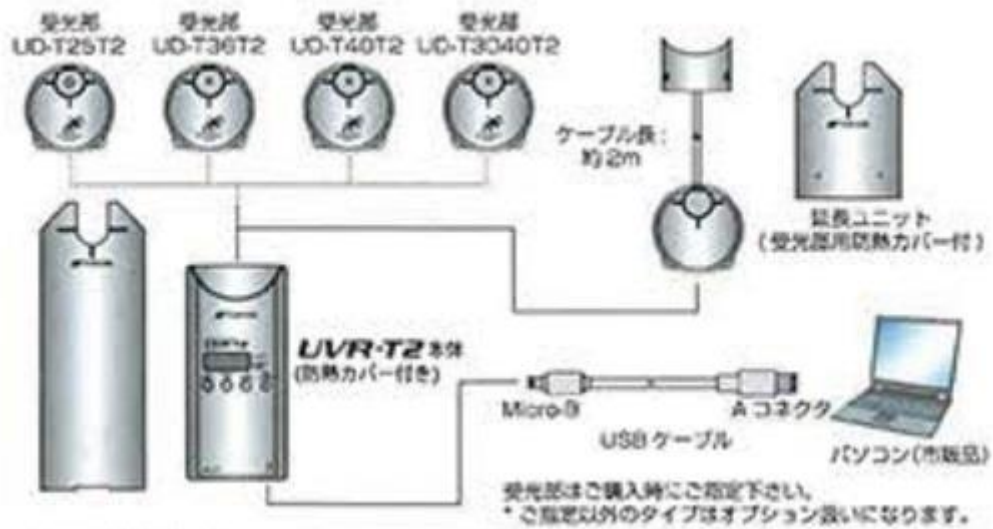


### 3. 3-in-1 measurement

Supports irradiance, peak irradiance, and integrated value measurements

4. Improved usability  
Equipped with an auto mode that sets the optimum range according to the amount of light and the illuminance.
5. Convenient 2m extension unit  
By attaching a 2M extension unit between the receiver and the display, it is possible to read the measured values at a distance from the receiver.
6. Memory function & USB  
Conveyor measurement values can be saved in the internal memory, and measurement distribution data can be imported to a PC later.
7. Operates on USB bus power  
Power supply from USB by adopting USB method.
8. Built-in correction function  
The built-in correction function enables adjustment to the reference value.  
Corresponds to individual elimination when using multiple units.
9. Over temperature display/warning function  
If the temperature of the light receiving part exceeds 60° C during the specification, the temperature over is displayed and a warning is displayed. It is also possible to display the internal temperature.
10. Auto power off function  
Auto power OFF function enabled (5, 10, 15, 30 minutes) can be disabled
11. Battery level display function  
When the remaining battery power is low, "BAT" is displayed to notify the battery in advance.
12. Standard software included  
Specified number of measurements, measurements at arbitrary time intervals, and calibration are possible.

## System/dimensions



## Specification

specification	Specification value		
UD-T25T2	UD-T36T2	UD-T40T2	UD-T3040T2
Lightreceiving element	Silicon photodiode		
Lightreceiving window diameter	φ 5mm	φ 3mm	φ 3mm
Measurement wavelength range	230 ~ 280nm	300 ~ 390nm	350 ~ 490nm
Peaksensitivity	約 255nm	約 355nm	約 410nm

Illuminance measurement range (mW/cm <sup>2</sup> )	Range-1:0.01~30.0 Range-2:0.1~300.0 Range-3:1.0 ~ 3000.0	Range-1:0.01~60.0 Range-2:0.1~600.0 Range-3:1.0 ~ 6000.0	Range-1:0.01~30.0 Range-2:0.1~300.0 Range-3:1.0 ~ 3000.0
Integrated light intensity measurement range (mJ/cm <sup>2</sup> )	Range-1:0.01 ~ 999.99 Range-2:0.1 ~ 9999.9 Range-3:1.0 ~ 99999.0	Range-1:0.01 ~ 999.99 Range-2:0.1 ~ 9999.9 Range-3:1.0 ~ 99999.0	Range-1: 0.01 ~ 999.99 Range-2: 0.1 ~ 9999.9 Range-3: 1.0 ~ 99999.0
Analog output 1mV irradiance (mW/ cm <sup>2</sup> )	Range-1: 0.015 Range-2: 0.15 Range-3: 1.5	Range-1: 0.03 Range-2: 0.3 Range-3: 3.0	Range-1: 0.015 Range-2: 0.15 Range-3: 1.5
data sampling	Sampling time 50Hz: 10ms, 60Hz: 8.33ms Sampling rate 50Hz: 50 times / second 60Hz: 60 times / second		
Oblique light characteristics	30 ° : Within ± 5%, 60 ° : Within ± 25%		
Calibration accuracy(*1)	Within ± 2%		
Linearity(*2)	Within ± 3%		
Analog output voltage	0~2Vmax. Common to each range		
interface	USB2.0 (USB A connector-USB micro B connector)		
Power supply	AAA battery x 3 (commercially available) / USB bus power		
terms of use	Temperature: 10-60 °C / Humidity: 85% R.H. or less (no condensation)		
External dimensions (W×D×H) (*3)	75×201×16mm		
mass(*3)(*4)	320g		
Optional accessories	Extension unit ZV-48 (2m)		

(\*1) For the value of the calibration standard with our calibration light source

(\*2) When a light amount of 5% or more of full scale is incident in each measurement range, when zero correction is used

(\*3) Without heat protection cover

(\*4) Including battery