



## SMART UVI Checker

### Features

UVI Checker used like an ear jack (No need for battery)  
Portable and Ultra-Small Size

### Material

Case : Aluminum

### Physical Dimensions & Connection



[unit : mm ]

Fig 1. Physical Dimensions

### Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Remark
Storage Temperature	T <sub>sp</sub>	-20 ~ 60	°C	
Workable Humidity	RH	< 80	%	
Operating Temperature	T <sub>op</sub>	-20 ~ 50	°C	

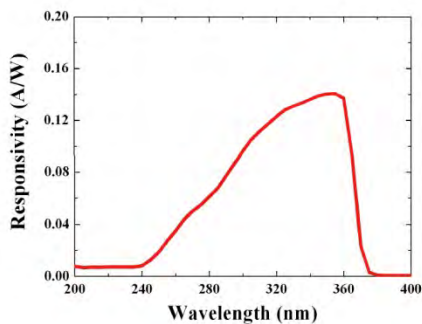
### Mechanical Data

Parameter	Value	Unit	Remark
Weight	6	g	
Size	10Φ × 30 (include Ear Jack : 47mm)	mm	

### Electrical Characteristic (at 25 °C)

Parameter	Symbol	Value			Unit	Remark
		Min.	Typ.	Max.		
UV Index Display		0		11+	UVI	
Delay Time	Tr		10		sec	

### Responsivity Curve



### UV Index information

Exposure Category	UVI Range
Low	< 2
Moderate	3 to 5
High	6 to 7
Very high	8 to 10
Extreme	11+

\*Reflects adoption of the Global Solar UV Index (effective May 2004).



App [required]: Smart UVI Checker, by Technonia

Connect to Smart phone ear jack

Available in Google Play or APP store

Smart UVI Checker, by Technonia

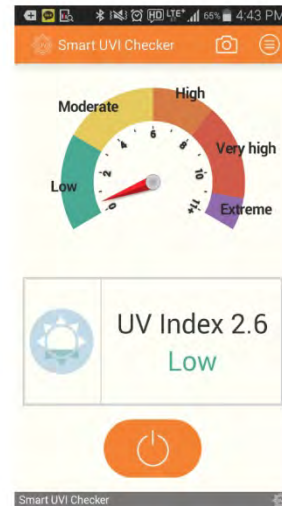


[Connected]



Sensor unit (Aluminum)

Connect Jack (Ear Jack)



[Application]

- Move around with Smart UVI checker to detect UV(Ultra Violet).
- Watch the different amounts appear in real time on your screen.

UV INDEX	0	1	2	3	4	5	6	7	8	9	10	11+
WHO	LOW		MODERATE			HIGH		VERY HIGH		EXTREME		
UV INDEX	RATING	DESCRIPTION	RECOMMENDATION									
2 or less	LOW	No danger to the average person	You can safely stay outdoors with minimal protection. Wear sunglasses on bright days; use sunscreen if you have particularly fair skin.									
3 to 5	MODERATE	Little risk of harm from unprotected sun exposure	The level of UVR may cause skin damage. Wear sunglasses and use SPF 30+ sunscreen, cover the body with clothing and a hat, and seek shade around midday when the sun is most intense.									
6 to 7	HIGH	High risk of harm from unprotected sun exposure	The level of UVR can cause skin damage. Wear sunglasses and use SPF 30+ sunscreen, cover the body with sun protective clothing and a wide-brim hat, and reduce time in the sun from two hours before to three hours after solar noon (roughly 11:00 AM to 4:00 PM during summer in zones that observe daylight saving time).									
8 to 10	VERY HIGH	Very high risk of harm from unprotected sun exposure	The level of UVR is high and dangerous. Wear SPF 30+ sunscreen, a shirt, sunglasses, and a hat. Do not stay out in the sun for too long. If you must be outside avoid the sun from two hours before to three hours after solar noon (roughly 11:00 AM to 4:00 PM during summer in zones that observe daylight saving time).									
11 or higher	EXTREME	Extreme risk of harm from unprotected sun exposure	The level of UVR is at its highest and most dangerous. Take ALL precautions, including: wear sunglasses and use SPF 30+ sunscreen, cover the body with a long-sleeve shirt and trousers, wear a very broad hat. Avoid the sun from two hours before to three hours after solar noon unless absolutely necessary. (roughly 11:00 AM to 4:00 PM during summer in zones that observe daylight saving time).									

This is standardized by WHO. It might be little different from each country.