

# Portable UV Radiometer 7.1 (Far UV)

## GFUV-T10GS7.1-LA9 (FUV(Far UV) Sensor)



**Description :** Portable Far UV Lamp Monitoring(222nm) ,Excimer Lamp Monitoring

**Function & Display :** Absolute Power ( $\text{mW}/\text{cm}^2$ ), Dose ( $\text{J}/\text{cm}^2$ ), Max Power ( $\text{mW}/\text{cm}^2$ )



Fig1. GFUV-T10GS7.1-LA9

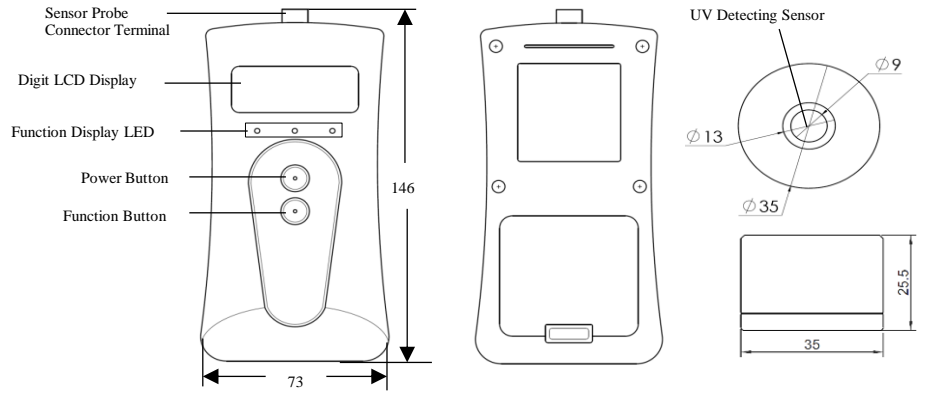


Fig2. Size of Radiometer 7.1 and LA9 Sensor Probe (Unit : mm)

### Features and Applications

Features	Applications
<ul style="list-style-type: none"> <li>- 4.0 digit LCD display</li> <li>- Detachable LA9 Sensor Probe (Push-Pull connector)</li> <li>- Absolute Power, Dose and Max Power displayed</li> </ul>	<ul style="list-style-type: none"> <li>- Far UV, Excimer Lamp Intensity Measurements</li> <li>- Far UV, Excimer Lamp Light Transmittance Measurements</li> <li>- Portable Far UV, Excimer Lamp Intensity Meter</li> </ul>

### UV Radiometer Dimensions

Height(mm)	Width(mm)	Thickness(mm)	Weight(g)	Material
146	73	31	100 (without batt.)	ABS

### Sensor probe Dimensions

Size(mm)	Window(mm)	Cable length(m)	Weight(g)	Material
Ø35, H25.5	Ø9	1	80	AL-60

### Absolute Maximum Ratings

Parameter	Min.	Typ.	Max.	Unit	Remark
Storage Temperature	0		60	°C	
Operating Temperature	0		50	°C	
Operating Humidity	10		85	% RH	
Battery		9		VDC	DC 9V (6LR61/6F22)

### Electro-Optical Characteristics (at 25°C)

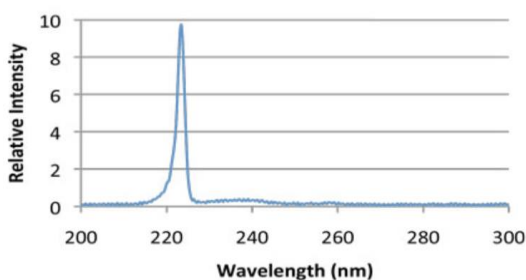
Parameter	Min.	Typ.	Max.	Unit	Remark
Detection Range		222		nm	
Detection Power Range*	5		100.0	$\mu\text{W}/\text{cm}^2$	

\*Customized available (Maximum of detection power :  $1\text{mW}/\text{cm}^2$ )

\*Reference meter : Hamamatsu H9535-222(NIST Traceable)

\*Optical source : Edenpark illumination(222nm)

### FUV Lamp Spectrum



#### Power button(on/off)

-> Push Power button over 3 seconds

#### Mode button

-> Change display mode  
 Absolute Power ( $\text{mW}/\text{cm}^2$ ) → Dose ( $\text{J}/\text{cm}^2$ ) →  
 Max Power ( $\text{mW}/\text{cm}^2$ ) → Absolute Power( $\text{mW}/\text{cm}^2$ ).....



UV Detecting Sensor

