



## Measurement Equipment VUV Radiation Meter ZED 185 / ZED 185 REL

### VUV radiation:

### measuring and monitoring at 185nm



VUV ZED 185



VUV ZED 185 REL

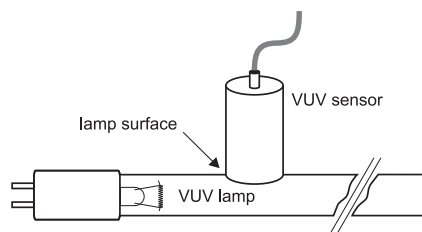
#### Features

- ⇒ for measuring and monitoring VUV radiation sources at  $\lambda_p=185\text{nm}$
- ⇒ only for use with low pressure lamps
- ⇒ VUV ZED 185 for absolute VUV measurement
  - consists of a measurement amplifier with display unit and sensor
  - selectable intensity measurement range
- ⇒ VUV ZED 185 REL for relative VUV monitoring
  - consists of a measurement amplifier and sensor
  - voltage output 0...5V
  - sensitivity can be adjusted by using a potentiometer

radiometer name	measurement range
VUV ZED 185	20 / 200 / 2000mW/cm <sup>2</sup> selectable with rotary switch
VUV ZED 185 REL	relative measurement

<b>power supply:</b>	VUV ZED 185 - 9V E-Block battery VUV ZED 185 REL - 9...12V DC	<b>operating temperature:</b>	0...40°C	<b>protection level:</b>	IP20
<b>status indication:</b>	VUV ZED 185 - LCD 3,5 digits VUV ZED 185 REL - amplifier only	<b>handling:</b>	VUV ZED 185 - hold function to be activated with main switch at left side of case (off- on - hold) measurement range selectable with rotary switch VUV ZED 185 REL - sensitivity adjustment by using a potentiometer		
<b>output signal:</b>	VUV ZED 185 REL - 0...5V DC	<b>wavelength:</b>	160...240nm; $\lambda_p=185\text{nm}$	<b>sensor calibration wavelength:</b>	$\lambda=172\text{nm}$
<b>dimensions (w/h/d):</b>	VUV ZED 185 - (80/44/140)mm VUV ZED 185 REL - (44/90/30)mm	<b>weight:</b>	VUV ZED 185 unit - 200g VUV ZED 185 REL unit - 80g sensor - 50g		

#### Measurement Setup



Sensor has to be fixed directly on the lamp surface.

#### Note

The sensor shall be used with low pressure lamps only.

For ensuring measuring precision recalibration is recommended once per year.

For use in dry environment only!

Handle the surface of the VUV sensor carefully!

Protect eyes and skin!

Attention! Ozone generation!



## Notices