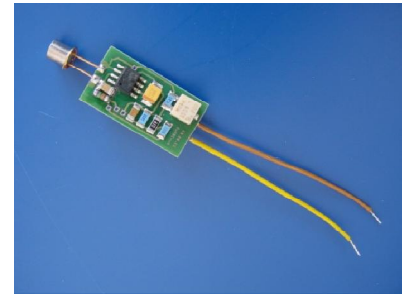


## SUV 203 Y2 UVC3

### General

This sensor is designed for use in UV disinfection systems and is suitable for monitoring UV radiation. It is designed as a circuit board without housing. Sensors of this type are very precise and have a low aging effect. The sensitivity is easily adjustable with a potentiometer.



#### Technical data: type SUV 203 Y2

<b>Size of PCB</b>	25 x 13.5 x 9 mm, distance sensor diode $5 \pm 0.5\text{mm}$
<b>Temperature</b>	ambient temperature: 0 to +60°C (short time 100°C), storage temperature: -20 to +70°C
<b>Opening angle</b>	approx. 120°
<b>Selectivity</b>	240 nm - 290 nm
<b>Linearity of working range</b>	$\leq \pm 1\%$ of end value
<b>Temperature drift</b>	$\leq \pm 1.5\%$ in the temperature range 5°C ... 35°C, related to 20°C
<b>Long time stability / aging</b>	$\leq 1\%$ / 1000h related to end value
<b>Operating voltage <math>U_B</math></b>	24 V DC ( <i>stabilised</i> )
<b>Operating current</b>	max. 25 mA
<b>External load</b>	null up to $R_{Load\ max} = (U_B - 8.5V) / 0.02A$ ( $R_{Load}$ = internal resistance of meter or PLC)
<b>Output signal</b>	4 - 20 mA according to chosen measurement range
<b>Cables</b>	+ $U_B$ brown wire, $I_{out}$ yellow wire, length $50 \pm 10\text{mm}$