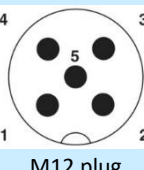


## UV Sensor SUV DI 18/370 Z4Y2 B1 CF 250 W/m<sup>2</sup> ND

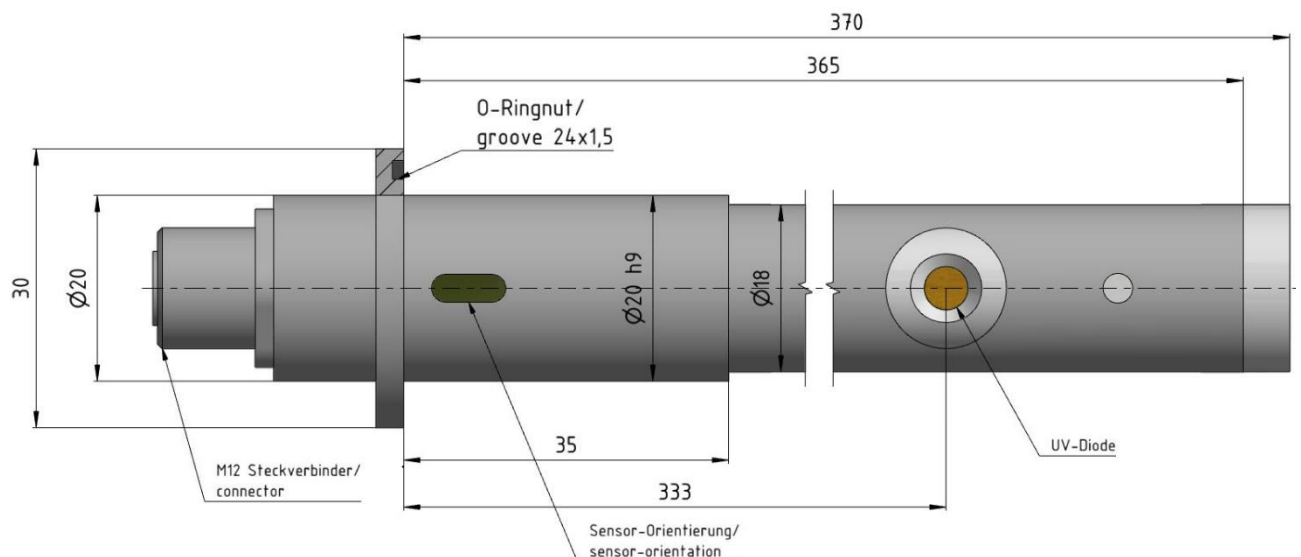
This sensor is intended for monitoring the UV intensity of UV low pressure lamps. It is intended for installation in the special sensor port FUV DI-18. Based on the side view of this type, the sensor must be placed parallel to the lamp. By means of tongue and groove, perfect alignment with the neighboring lamp is achieved. The sensor is connected via an IP67-protected M12 connector.

### Technical data

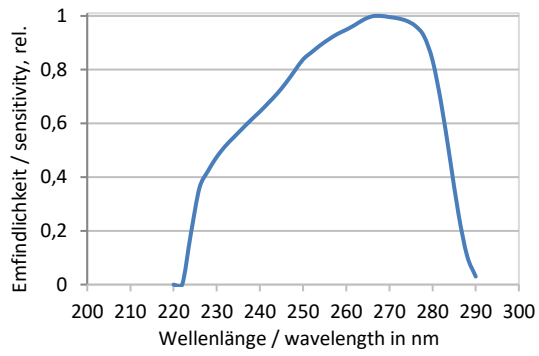
Article number	301 04701 0000		
Housing	stainless steel 1.4404 / 1.4301, plug housing nickel-plated brass		
Geometry	see sketch below		
Marking	sensor type, sensitivity value in W/m <sup>2</sup> , serial number, uvt logo		
Entrance window	opening angle approx. 50° ±10° (see graphic directional sensitivity)		
UV diode	UVC3, filtered SiC, selectivity 220...280 nm (see graphic spectral sensitivity)		
Ambient temperature	operating temperature: 0...60°C, storage temperature: -40...70°C (in dry condition)		
Linearity of working range	≤ ± 1 % of end value		
Temperature drift	≤ ± 1,5 % in the temperature range 5°C to 35°C, in relation to 20°C		
Long time stability / Aging	≤ 5 % / 10.000 h		
Calibration uncertainty	≤ ± 6.5 % to NIST/PTB reference		
Adjustment uncertainty	≤ ± 1 % to internal reference		
Supply voltage	12 - 24 V DC		
Output signal	current output 4 – 20 mA, current loop, two wire circuit		
Sensitivity adjustment	20 mA = 250 W/m <sup>2</sup> , monochromatic (LP lamp)		
Operation current	max. 21,6 mA		
Connection assignment	 <p>M12 plug</p>	<p>1: RS485 A DO NOT CONNECT! - is only used by the KUV2.4WR during recalibration</p> <p>2: RS485 B DO NOT CONNECT! - is only used by the KUV2.4WR during recalibration</p> <p>3: +UB / Iout UV (current loop), +heating <i>blue</i></p> <p>4: -UB / Iout UV (current loop) <i>black</i></p> <p>5: -heating (approx. 1W@24VDC) <i>grey</i></p> <p>housing shield (connected to the sensor housing) <i>red*</i></p> <p><i>cable colors for the recommended cable</i></p>	
Recommended accessory	sensor port FUV DI 18 and connection cable Z1G-UD		

Separate product information sheets are available for the appropriate monitors and connection cables.

### Sensor geometry



**Spectral sensitivity**



**Directional sensitivity**

