

UV sensor SUV 32

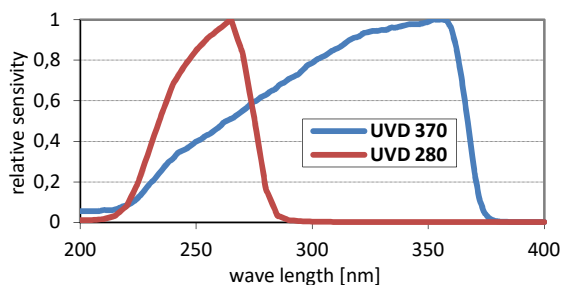
- sensor for monitoring irradiance in UV systems
- 1.4404 stainless steel housing
- pressure tight front window
- adaptable to different requirements by means of options
- variants of this type available for special applications (e.g. ATEX)



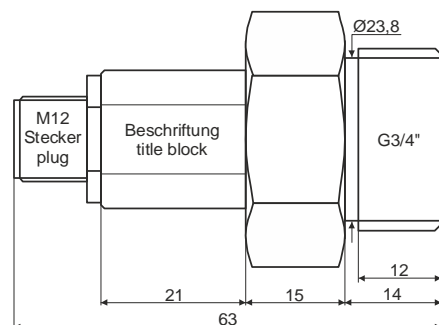
Technical data		
Marking	sensor type, calibration value in W/m ² (in case of integrated electronic), serial number (optional additional customized labeling)	
Geometry	sensor body Ø20 mm, wrench size 32 mm, G3/4" screw in thread (see sketch)	
UV entrance window	UV transparent quartz glass Ø 8.0 mm	
Screw-in torque	max. 20 Nm	
Compressive strength	up to 16 bar overpressure	
Ambient temperature	operating temperature: 0...60°C, storage temperature: -40...70°C (in dry condition)	
Configuration	Option	Description
Housing	1.4404	standard (optional 1.4462 salt water resistant)
Entrance window	A1	UV transparent quartz glass window, flare angle 40° (see graphic directional sensitivity)
UV diode	-	standard: UVD370: 220...370 nm (see graphic spectral sensitivity)
	B	optional: UVD280, selectivity 220...280 nm (see graphic spectral sensitivity)
Connection	C	plug M12 (standard for all types)
	CF	socket M12 (standard for all digital and digital/analog types)
Damping	D	integrated damping element (recommended for medium pressure applications)
Output	-	diode (short sensor body – without internal electronic, see sketch)
	Y1 (T)	voltage output 0 – 4.5 V DC (optional temperature output)
	Y2	current output 4 – 20 mA, current loop, two wire circuit
	Y3 (T)	voltage output 0 – 10 V DC (optional temperature output)
	Z4	digital sensor with RS485 Modbus RTU communication (output UV und temperature value)
	Z4 Y1	digital sensor with voltage output 0 – 4.5 V DC (calibratable via KUV)
	Z4 Y2	digital sensor with current output 4 – 20 mA, current loop, two wire circuit (calibratable via KUV)
Calibration values	ND	calibration in front of low pressure lamp with 50, 100 W/m ² (other values possible in consultation)
	MD	calibration in front of medium pressure lamp with 1000 W/m ² (other values possible in consultation)

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

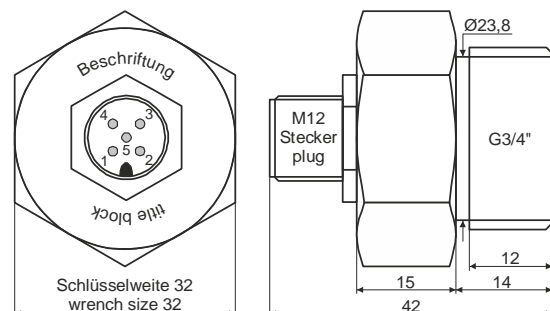
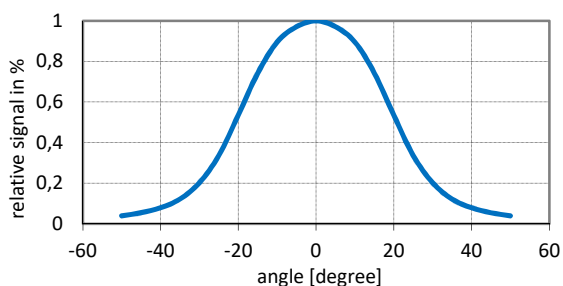
Spectral sensitivity



Body SUV32 with / without internal electronic



Directional sensitivity



subject to change without notice