

Measurement Equipment UV- Photodiode Sensors



**established and proven:
good value for money**

Features

- ⇒ measuring of UV-intensity
- ⇒ signal output: nA...µA (Photodiode current)
- ⇒ without internal amplification
- ⇒ cost efficient for low budget projects
- ⇒ limitation of spectral sensitivity with UV-C filter on request
- ⇒ UV value monitoring via ZED monitors



sensor type	thread/length for mounting*	wrench size [mm]	diameter [mm]	length [mm]	weight [g]
SiC-SV01	-	-	17,5	38,5	50 (including 1m cable)
SiCT001-PG	G 1/4" / 14mm	17	20	57	45 (including 1m cable)
SiC001	G 1/4" / 14mm	19	21,7	49	55 (+cable and plug)
SiC001-PG	G 1/4" / 14mm	19	21,7	61	75 (including 1m cable)
SiC003	G 3/4" / 14mm	32	37	52	190 (+cable and plug)
SiC003-PG	G 3/4" / 14mm	32	37	63	245 (including 1m cable)

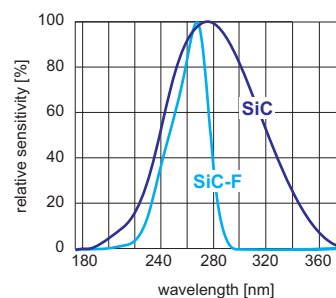
* pipe thread of Whitworth form (BSP DIN ISO 228)

sensitive element:	silicon carbide (SiC) diode	body material:	SiC-SV01: stainless steel 1.4305 SiC001, SiC003: stainless steel 1.4404 SiCT001-PG: PTFE (Teflon)
spectral range:	210...380nm (with UV-C filter: 220...290nm)	operating temperature:	0...40°C
max. pressure:	SiC001(-PG)/SiCT001-PG/SiC003(-PG): 10bar (IP65 if inserted and screwed with straight M12 connector) SiC-SV01: diode is sealed with quartz window-protection against humidity only		
connection:	2wire cable, shielded: SiC001/SiC003: sensor cable with straight connector M12, length 2.90m enclosed SiC-SV01 and all -PG versions: mounted cable, length 1m (other cable lengths on request)		
recommended monitoring equipment:	PRO3, PRO5, PRO5-PF, PRO8, IF01, IF02, PRO11DPI-I, PRO16DPI-I, UV-Compact D		
mounting restrictions:	the sensors thread has to be covered with teflon tape or ceramo paste before mounting, use a sealing ring behind the thread		

PG versions without plug connection between sensor housing and cable.

The sensors are daylight blind (see diagram) and standard without UV-C filter. Limitation of spectral sensitivity with UV-C filter is available on request especially for use with medium pressure lamps.

Shielding connection must not be used as earth connection for safety reasons.



subject to change