PURION®
the best solution

UVC Sensor sensor in a stainless steel housing

This sensor is suitable for monitoring the intensity of UVC low pressure radiators, UVC high-output radiators and UVC amalgam radiators.

Manufacturer	PURION® GmbH
Type	SiC
UV-intake	6 mm
Angel spread	approx. 30°
Temperature	0°C up to 60°C
Sounding rod's body	Stainless steel 1.4571
Connection external thread	G ¼“ SW 19
Seal	Viton
Dimensions (L x Ø in mm)	45 xSW 19

The sensor type is SiC-based and therefore only UV-sensible (daylight blind)

Used sensors are fitted with silicon carbide photodiodes. Within a 250 nm to 260 nm range, these diodes show a very good sensibility and are therefore up to the UV disinfection radiators with their highest emission rate at 254 nm.

This is in line with the DNS absorption curve.

The monitoring unit and ist reading device look similar to a hanging lamp. This design is suitable to provide a percent reading of the UV radiation's intensity.

Properties of the sensor's chip

Wideband UVA-UVB-UVC photodiode
Optimal ability for measuring powerful UVC radiation
Silicon carbide chip warrants extreme radiation power
TO-18 metallic housing - 0,054 mm² active chip surface