



# Waterproof UVC-S Sensor



Fig. 1: Waterproof UVC-S sensor for RM31

The waterproof UVC-S sensor serves as robust, long-time stable measuring head for the precise measurement of UV-C irradiances in water disinfection systems. A superior long-time stability and corrosion resistance is achieved by the selection of suitable materials. The sensor signal can be transferred to the UV monitors RM31.

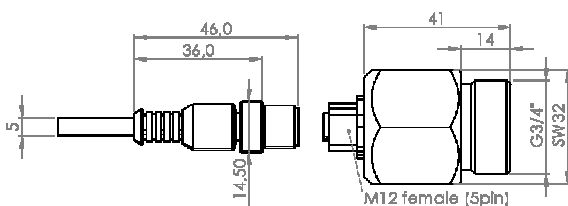


Fig. 2: Dimensions of the UVC-S sensor

The sensor can be directly connected to the UV-Monitor RM31 via a 2 meter long (standard) shielded cable. Thus integration into UV-lamp monitoring, adjustment and control is possible.

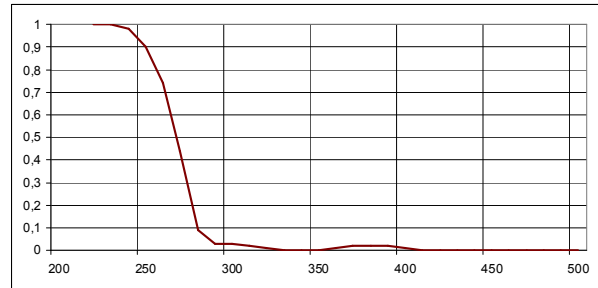


Fig. 3: Spectral sensitivity

## Technical Data

Measuring range: 1000 W/m<sup>2</sup>  
Resolution: 0.5 W/m<sup>2</sup>  
Dimensions: see drawing  
Weight: 180 g

Spectral range: 180 - 280 nm  
Selectivity: above 280 nm better than 4 %  
for low-pressure mercury lamps, remaining sensitivity around 650 nm

Operating temp.: 0 to +40 °C  
Storage temp.: -10 to +40 °C  
Humidity: < 80 %, not condensing

Cable: Length 2 m (longer on request)  
M12 connector molded on cable (up to 10 m cable length)  
or coax (*not recommended for new designs*)

**Order No.:** **810311** Stainless Steel  
**810312** Stainless St. (coax)  
**810315** Brass (coax)