

## Monitor DUV 12.1

### Definition

The DUV 12.1 is used to monitor the UV value of the lamp and the temperature of the reactor. A special UV sensor with integrated temperature measurement is required for this purpose. Depending on the design of the sensor, a measuring window is also required. The monitor shows the UV value and the temperature value simultaneously on the display and gives an optical and acoustic alarm when the UV value falls below, or the temperature value is exceeded. The threshold values are adjustable via the menu.



### Applications

- all areas of applications water disinfection
- drinking or process water disinfection
- applications with sanitizing via hot water or steam
- detection of overheating in applications with MP lamps

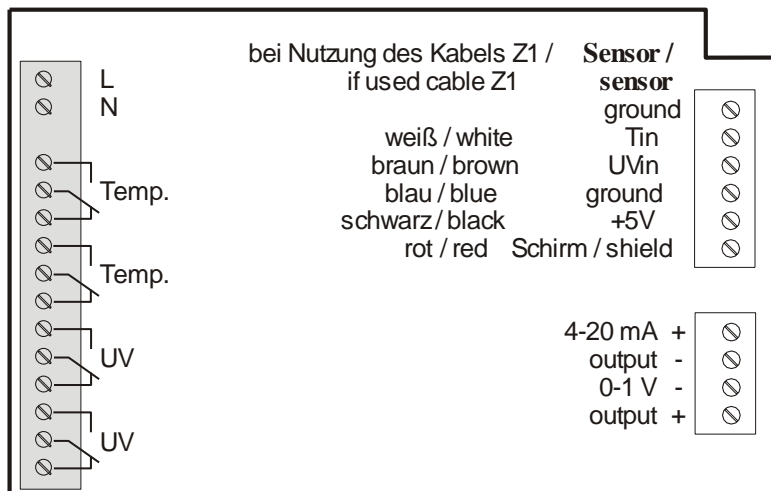
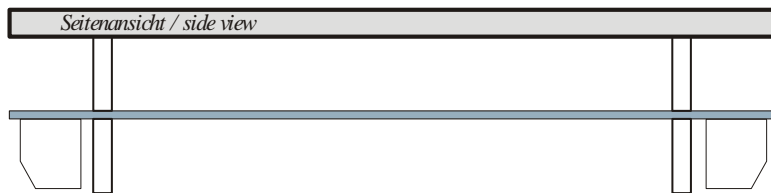
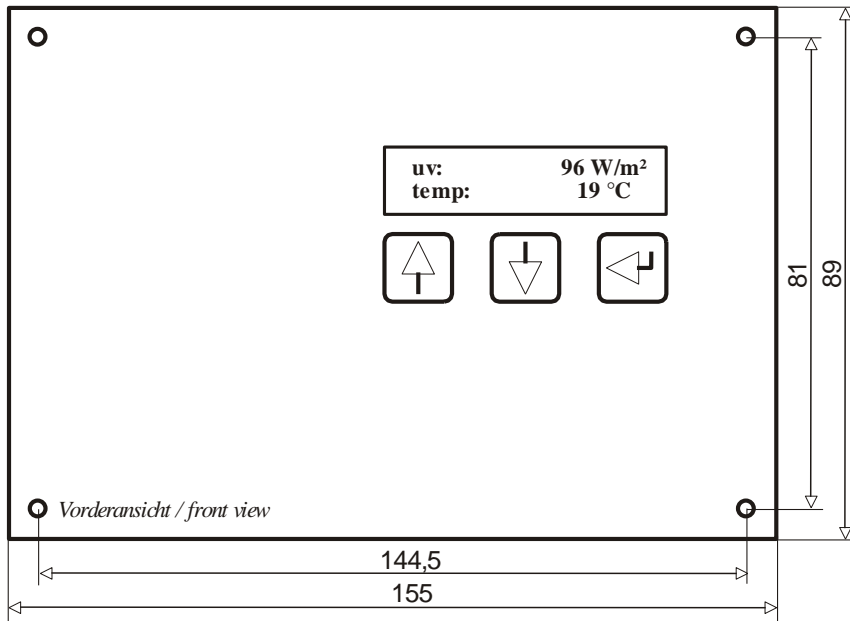
### Characteristics

- for 90 - 264 V AC main voltage supply
- for installation into the front side of a switchboard (splash proof with corresponding installation)
- two-line background illuminated alphanumeric display (2x16) allow simultaneously displaying of UV and temperature value
- multicolored background illumination for optical signaling of different operating states
- menu control in English with password protection via 3 buttons on the front side
- two switching outputs for UV and temperature alarm each, alarm threshold on the menu programmable
- two analogue voltage inputs 0 - 5 V
- recommend UV-Sensor SUV20.2 Y1 T C and sensor port FUV not included in delivery - please order separately
- one analogue output each for 0 - 1 V and 4 - 20 mA destined for transfer of the measured UV-signal to superior control
- audible alarm on built-piezo transducer

### Technical data

<b>supply</b>	90 - 264 V AC, 50 - 60 Hz, max. 0.2A
<b>dimensions (H x W x D)</b>	90 x 130 x 40 mm
<b>degree of protection</b>	IP 00, IP 65 on the front, with corresponding installation in the front of a control box
<b>weight</b>	260 g
<b>ambient temperature</b>	0 - 50°C
<b>display</b>	two-line, alphanumeric LC display with three-color background lighting
<b>inputs</b>	analogue input for UV sensor with voltage output 0..5V DC analogue input for temperature sensor with voltage output 0..5V DC
<b>outputs</b>	analogue output 4-20mA DC analogue output 0-1V DC output 5V DC, supply voltage for sensor 4 relay outputs 24 V DC / 250 V AC, 50 mA - 6 A

**Terminal assignment**



**Menu structure** (version 1.5)

