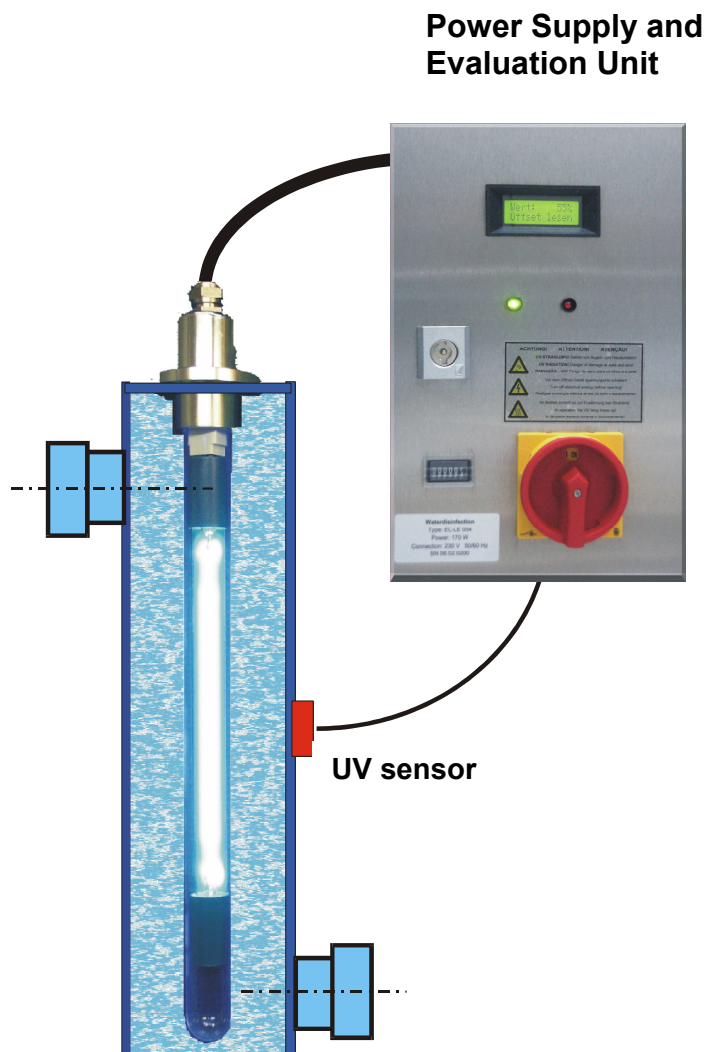


## UV Sensors And Evaluation Units For Online Monitoring Of Disinfection

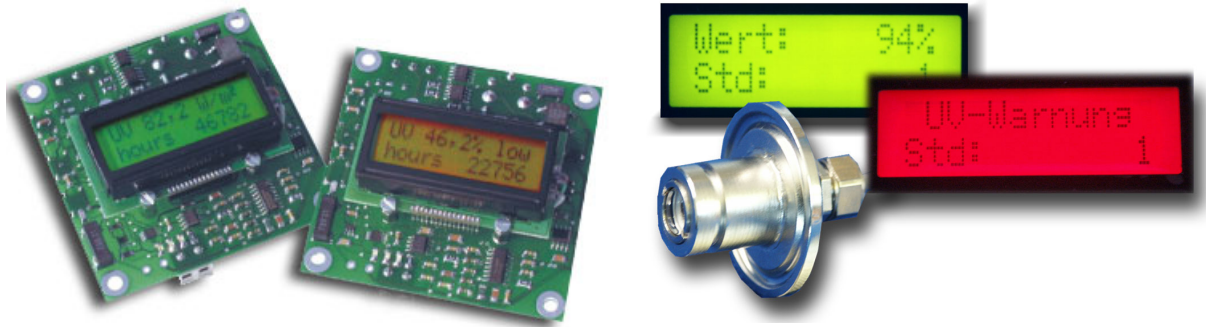
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### With UV Sensors The Following Failures Can Be Monitored:

- Decreasing power of UV lamp
- Deposit coating (pollution) of quartz tube
- Depletion of UV transmission by deterioration of quality of water
- Failure of UV lamp
- Pollution of sensor surface

## UV Monitoring Units For Disinfection Systems With Universal Monitor P 16 And Different Sensors


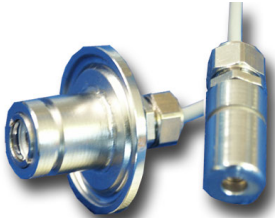



### Possibilities Of Monitoring

- Display colour green if state „ok“, red luminescent in case of main alarm
- Integrated counter for total working hours
- Integrated counter for user working hours (reset after lamp changing)
- Displaying of relative UV intensity in % resp. irradiance in W/m<sup>2</sup>
- Integrated counter for changing cycles

### Potential Free Relay Contacts / Output Signal

- Relay (changing contact); conjugated with main alarm (adjustable)
- Changing contact for prealarm optionally
- Analog output 4 - 20 mA (standard configuration at UE-Z, optionally at UE-S / UEA-S / UEHT-S)

Standard Sensors (Photodiodes)		Calibrated Sensor
<b>Display in % UVC<sup>1</sup></b>		<b>Display in W/m<sup>2</sup></b>
<b>UE-S</b>	<b>UEA-S</b>	<b>UE-Z</b>
		
screw in sensor	demountable sensor <sup>2</sup>	Variety of sensor according ÖNORM M5873 <sup>3</sup>
		output 4 - 20 mA
easy to calibrate at start up tuning in menu		calibrated by manufacturer

<sup>1</sup> repetition of tuning after lamp changing

<sup>2</sup> optionally: variety UEHT\_S with higher temperature steadiness for sanitisation up to 120°C.

<sup>3</sup> optionally: variety UE-ZD with sensor according DVGW