



# Measurement Equipment UV-Monitor PRO5 / PRO5-PF



*established as proven:*  
basic detection of UV signal

### Features

- ⇒ monitoring of relative UV-intensity
  - via ZED UV-photodiode sensors
  - 110% sensitivity adjustment via potentiometer indicated by sensitivity LED
- ⇒ system status indication via three LED indicators
  - green LED: function o.k.
  - yellow LED: pre-alarm
  - red LED: main alarm
- ⇒ system status forwarding
  - two parallel relay contacts for main alarm / peripherals
- ⇒ front panel mounting with cut out according to DIN

### Technical Specification

<b>mains voltage:</b>	230V AC ± 10% /50/60 Hz (115V AC or 24V DC types on request)	<b>operating temperature:</b>	0...40°C	<b>storage temperature range:</b>	-40°C...+70°C
<b>status indication/ thresholds:</b>	3 status LED: green: function o.k. (>74%) yellow: pre-alarm (50 - 74%) red: main alarm (<50%) (or customers specification)	<b>1 sensitivity adjustment LED:</b>	green: 110% reference value reached		
<b>connections:</b>	all inputs and outputs via screw terminals (required wire gauge: 0,34...2,5mm <sup>2</sup> / AWG 22...14)				
<b>input:</b>	1x UV-photodiode sensor	<b>outputs:</b>	2x parallel main alarm relay contacts	potential free relay contacts; resistive connected load: 50...500mA at 24...230V AC; 50...500mA at 5...60V DC	
<b>dimensions (w/h/d):</b>	(72/72/77)mm	<b>mounting:</b>	cut-out according DIN43700 (68 <sup>+0,7</sup> x 68 <sup>+0,7</sup> )		
<b>weight:</b>	240g				
<b>recommended sensors:</b>	SIC-SV01, SICT001-PG, SIC001(-PG), SIC003(-PG)				

### Functions

- display of the relative UV-output with three LED's:
  - ⇒ GREEN: function o.k.
  - ⇒ YELLOW: pre-alarm
  - ⇒ RED: main alarm
- potential free relay contacts in accordance with status indication:
  - ⇒ one normally closed contact for main alarm indication
  - ⇒ one additional normally open contact in parallel (e.g. for magnetic valve)
- multi turn potentiometer for fine adjustment of sensitivity at 110%, shown by a green LED next to the potentiometer at the rear side of the monitor  
(PRO5: potentiometer at rear side)  
(PRO5-PF: potentiometer at front side)

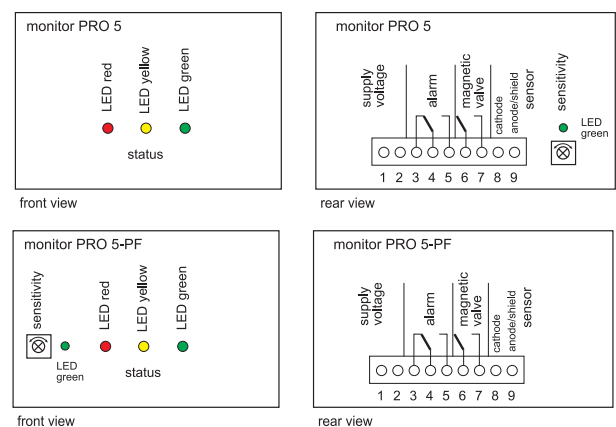
### Accessories

#### Monitor Cover for Protection Level IP65 at Front



cover for UV-Monitor PRO5

### Wiring diagram



### Note

**Attention: Risk of electric shock!**

The device must be installed in a closed cabinet, otherwise lethal voltages can be touched by hand. The device has to be installed by authorized staff only to make sure all applicable safety rules are fulfilled.

Please consider the safety instructions in the installation and operating manual.

subject to change

For use in dry environment only!