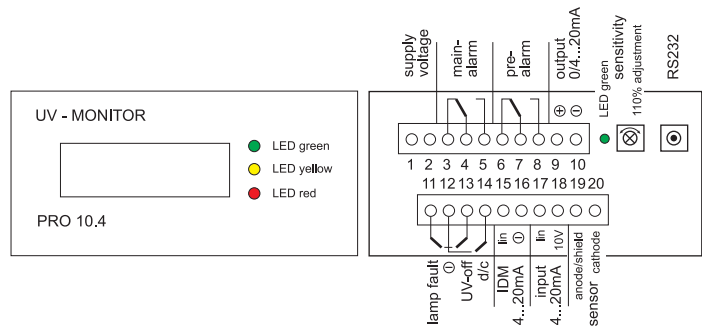




Measurement Technique UV-Monitor PRO10.4 with Relay Contacts and Status Indication by LED and LCD

for monitoring and evaluation of relative and absolute uv-intensity (depending on sensor type)
and for displaying the specific irradiation, determined from flow rate measurement and reactor vessel volume

Accepted by DVGW and OENORM



Available Monitor Types

monitor type	sensor signal	suitable sensor types
PRO10.4	diode output or current output	SIC-SV01, SIC001(-PG), SICT001-PG, SIC003(-PG), SIC007-P(-PG), SIC007-I(-PG), SIC021-I(-PG), SICDVGW002-LP, SICDVGW002-MP, SICONORM002-LP, SICONORM002-MP
PRO10.4-U2	diode output or voltage output	SIC-SV01, SIC001(-PG), SICT001-PG, SIC003(-PG), SIC007-P(-PG), SICDVGW001-LP, SICDVGW001-MP, SICONORM001-LP, SICONORM001-MP, SIC007-U2(-PG), SIC021-U2(-PG)
PRO10.4-SLS	diode output	side looking sensors: SLS-SIC003(-PG), SLS-SIC004(-PG)

Functions:

- LCD-Display: uv-intensity in % or W/m² (in case of calibrated sensor); 3 front LED: operating status
- accepts a wide variety of sensor types: photo diodes, current sensors (Austrian ÖNORM or German DVGW), voltage sensors on request
- adjustment of end value in %:
 - ⇒ coarse adjustment of sensitivity* in 8 steps,
 - ⇒ fine adjustment in a small range by special multi turn potentiometer (if a photodiode is used),
 - ⇒ display of 110% - value at rear panel (green LED flashes)

- adjustment of end value in W/m² depending on the sensor type* (using a calibrated sensor with standard current port: 4-20mA, 0-20 mA; 0-2 V on request)
- two potential free relay contacts indicate pre alarm and main alarm condition, switching thresholds can be programmed*
- internal real time clock for counting purposes*
- internal hour counter to determine the total operation time of the system
- user programmable hour counter e.g. for counting operation hours of the lamps
- end of lamp life time display*, after reaching the programmed value the yellow LED is blinking
- two display modes to display either uv-intensity value or the user programmable hour counter, switched by a

- switch input at the rear side of the device
 - contact for fault of lamp alarm; by shorting this contact externally the red LED is blinking and the main alarm relay operates
 - input to sense operation mode "UV-off". If the unit does not work continuously this contact stops counting of operation hours and uv measuring, the last counter reading remains stored; to prevent alarm during starting up or switching on again, a delay time can be programmed*
 - internal operating cycle counter*
 - RS232 - port for service at the rear panel of the device
- *can be programmed by manufacturer and/or by customer by service device SER10 or by PC (software MONITOR_ORGANIZER required)

Technical Specification

mains voltage:	230V AC ± 10% /50/60 Hz (115V AC/60Hz or 24V DC types available on request)	operating temperature:	0...45°C	protection level:	IP00 (IP65 at front on request)
measurement range:	adjustable for customer purpose in wide range	output signal:	4-20mA		
status indication:	LCD: 3 digits, 9mm height	3 LED (front): green: function o.k. yellow: pre-alarm red: main alarm	1 LED (back): adjustment of sensitivity green: >110%		
relay contact for alarm:	potential free relay contact	relay contact load:	50-500mA at 24V-230V AC 100-500mA at 24V-60V DC		
dimensions (w/h/l):	(96/48/134)mm	mounting:	cut-out according DIN43700 (92 ^{+0,8} x 45 ^{+0,6})		
weight:	300g				

Accessories - cover for uv monitors for protection level IP65 at front



cover for
UV-Monitor PRO10

For use in dry environment only!
for side looking sensors please order uv-monitor PRO10.4 SLS