

| Comparison between UV-Technik monitors       |   |  |   |
|--|---|--|---|
|  | DUV 11  | UVT 18   | UVTouchControl  |
| <b>general</b>                               | simple device for monitoring UV radiation of one sensor               | monitor with extensive program for monitoring UV radiation, flow, temperature of several sensors and calculation of UV dose  | control unit for UV applications without PLC, controlling of digital ballasts and monitoring of digital and analog sensors with customer specific programming |
| <b>mains supply</b>                          | 110/230VAC 50/60Hz  | 90-264VAC 50/60Hz or 100-300VDC  | 24VDC   |
| <b>size W x H x D installation dimension</b> | monitor size 96 x 48 x 75<br>fixation via screw clamps into front     | monitor size 96 x 96 x 75<br>fixation via screw clamps into front  | <b>main board size ...x... mm<br/>fixation by screws into the front</b><br><br><b>display apart from the main board at holder on rails in test</b>            |
| <b>connections</b>                           | pluggable screw clamps, wire cross section 0.25 -1.5 mm <sup>2</sup>  | pluggable screw clamps, wire cross section 0.25 -1.5 mm <sup>2</sup>   | pluggable screw clamps, wire cross section 0.25 -1.5 mm <sup>2</sup>  |
| <b>display</b>                               | backlighted, alphanumeric LCD-Display                                 | alphanumeric LCD-Display, 2 lines, colored backlight acc. alarm status   | resistive touch displays 2,7", 3,2", 4,3", 7" operability for bare fingers, with gloves or with pencil  |
| <b>programming/control</b>                   | via 3 keys at the front   | via 6 keys at the front or via RS485   | via menu and touch  |
| <b>temperature</b>                           | ambient temperature 0 to 40° C  | ambient temperature 0 to 40° C   | ambient temperature 0 to 40° C  |
| <b>weight</b>                                | approx. 250 g   | approx. 500 g  | <b>approx. 800 g</b>  |
| <b>inputs</b>                                | for sensors with:<br>UV diode<br>UV sensor 4-20 mA<br>UV sensor 0-5 V | UV diode<br>1x 0-2/5/10V for UV sensor<br><b>second input for sensor with voltage output for temperature sensor or flow meter</b><br>two inputs for current loop sensors 0/4-20 mA<br><b>impulse input for flow meter</b><br>dry impulse input 115..230 V AC for switch-on cycle counter (connection for EPS supply)<br>switch input for dry fault relay contacts of EPS<br>switch input for alarm suppression while service | 6x pluggable modules for:   |
| <b>outputs</b>                               | 5V supply for voltage sensor<br>4-20 mA for measured UV value         | analog output 0/4-20 mA DC<br>24 V DC output of supply voltage for one sensor<br>relay output pre-alarm (closer)<br>relay output main-alarm (changer)<br><b>third relay output with programmable switch function e.g. for temperature alarm</b>  | analog output 0/4-20 mA DC<br>5x relays   |
| <b>interface</b>                             | no  | RS485 interface for communication with superior control (slave) or alternatively for digital UV-sensors (master)   | 1x RS485 (master) firmly installed<br>2x RS485 pluggable, programmable according customer request   |
| <b>functions</b>                             |   | <b>two language menu (English/German)</b><br>counter for total operation hours, lamp hours counter and switch-on cycles<br>display for necessary lamp exchange<br>display for lamp failure<br>display for main-alarm, pre-alarm<br><b>dose calculation</b><br><b>display for temperature alarm</b><br><b>backlight color changes acc. to</b>   |   |

|  |  |  |  |
|--|--|--|--|
|  |  | alarm status<br>improved menu navigation<br>structure  |  |
| <b>possibilities for modifications</b> | private label of front panel<br>customized factory-programming<br>tailor-made program versions<br>hardware changes | private label of front panel<br>customized factory-programming<br>tailor-made program versions<br>hardware changes | private label of front panel<br>customized factory-programming<br>tailor-made program versions<br>hardware changes |
| <b>protection class</b>                | front IP65, connection side IP00   | front IP IP65<br>connection side IP00  | front IP65, connection side IP00   |
| <b>complied standards</b>              | CE, Low voltage directive  |  |  |
| <b>others</b>                          | memory size 32 Kb  | memory size 128 Kb<br>full function compatibility to UVT16   |  |