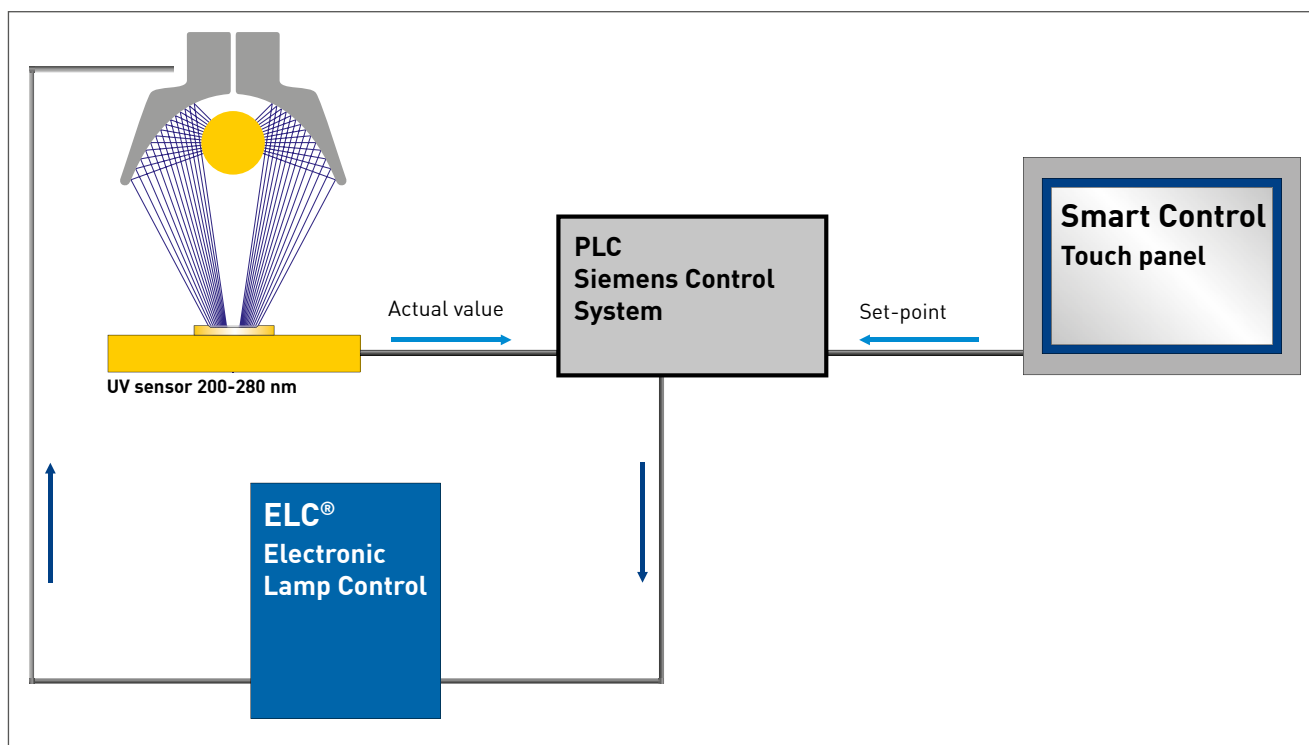


STATIONARY UV MEASURING

INTEGRATED UV MEASURING FOR A CONTROLLED PRODUCTION PROCESS

The advanced IST UV measuring equipment enables the UV output to be constantly monitored and regulated via one or more sensors. The production process is therefore controlled in a closed-cycle and runs under guaranteed conditions.

The IST UV measuring system consists of a PLC and a separate UV-C sensor. The total output and the setpoint position are shown on the UCS display unit.



UV measuring and UV output control

UV SENSOR

FUNCTION

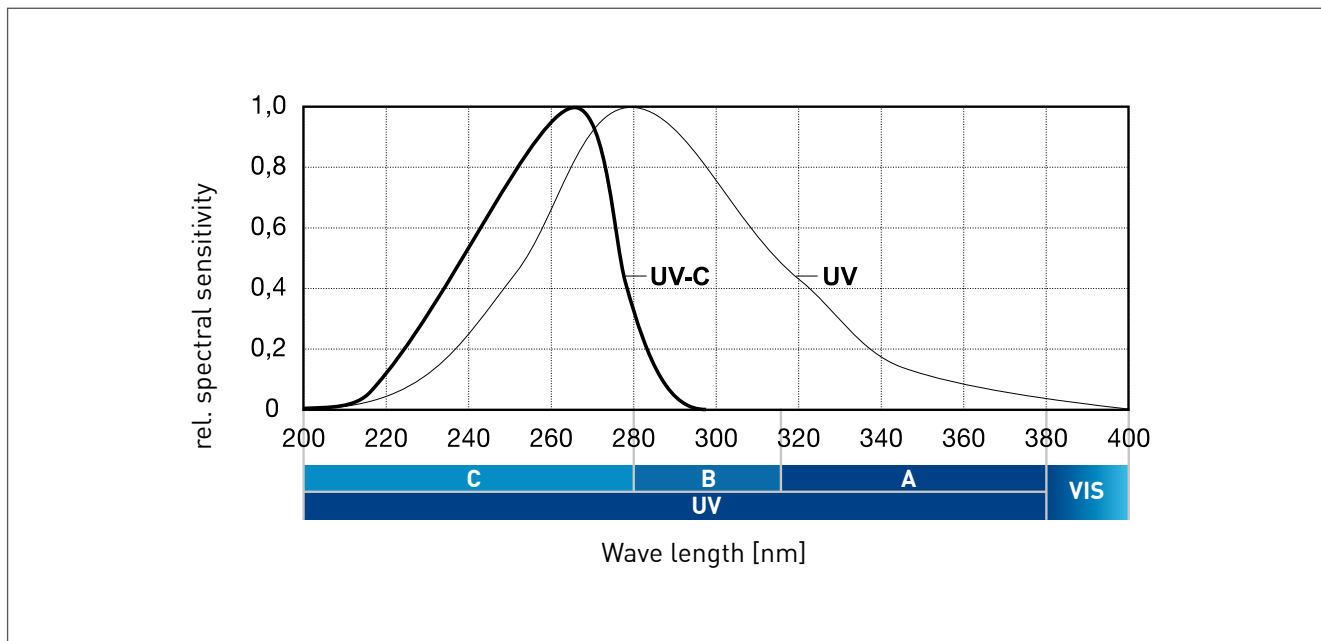
- The absolute UV radiation intensity is measured in mW/cm^2 .
- The spectral sensitivity of the sensor provides efficient measurement of UV in the different UV ranges.
- Electrical interference resistance is ensured by shielding and digital transfer of the measured data from the sensor to the evaluation unit.
- Electrical interference is prevented by screening
- the sensor and digital data transfer from the sensor to the processing unit.
- Compressed air is used to cool the sensor which means that it is less likely to be damaged.

Properties UV sensor

Length x width x height: 98 x 34 x 22 mm

Compressed air rating: Minimum 1 m^3/h at 5 bar, Maximum depending on sensor temperature

Compressed air quality: according to ISO 8573.1: parts 2, dew point 3, oil 3



WE HAVE THE CURE

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