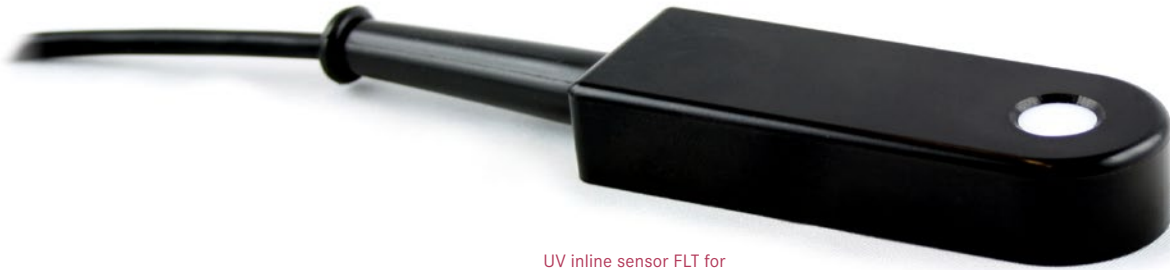


UV inline sensor FLT



UV inline sensor FLT for radiometer and PLC

The UV inline sensor FLT is a compact, and precise measuring system for irradiance measurements in UV facilities, as

- packaging systems
- disinfection systems
- systems for surface activation
- UV curing systems
- Aging & test chambers

The system consists of a compact inline sensor for fixed installation or use with radiometer RMD . Reference measurements are simple and precise due to identical shape of both sensor versions.

Our product range includes eight spectral ranges and four measuring ranges for the sensors. This allows the radiometric sensors to be optimally adapted for the application. The sensors are calibrated with traceability to PTB (Physikalisch Technische Bundesanstalt, the German national test authority); after being calibrated, they are supplied with a factory calibration certificate.

The RMD is characterized by a very high resolution, a high measuring range, a data interface and the illuminated graphic display.

For small control tasks, the inline sensor FLT can be connected to a panel meter, like RM-32. The RM-32 shows the current irradiance on a 3.5-digit digital display and offer potential-free relays contacts with adjustable switching thresholds for warning and alarm signals.

Applications:

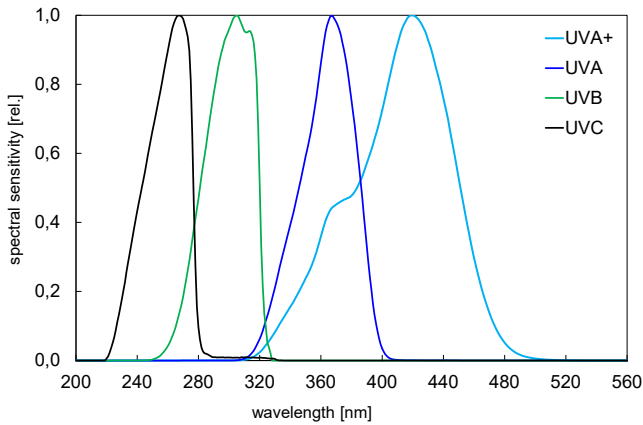
- UV and illumination sensors for PLC
- Inline and reference measurements
- Precise measurement of irradiance

HIGHLIGHTS

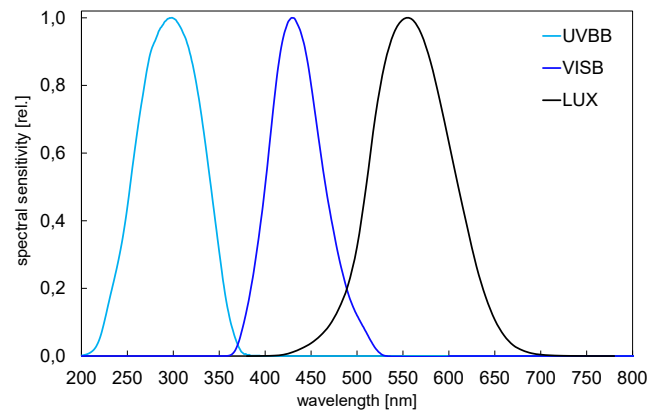
- Direct PLC operation
- Long-term stability
- Eight spectral ranges
- Four measurement ranges



TECHNICAL DATA



Spectral sensitivity UVA+, UVA, UVB and UVC FLT sensors



Spectral sensitivity UVBB, VISB, and LUX FLT sensors

COMMON TECHNICAL DATA

Measurement range	0 - 20 W/cm ²
Dimensions	68 x 25 x 15 mm
Weight	~ 70 g
Operation temperature	0 to 60 °C
Storage temperature	-10 to 60 °C
Humidity	< 80% non-condensing

SENSOR SPECTRAL RANGES

UVC	200 - 280 nm
UVB	280 - 315 nm
UVA	315 - 400 nm
UVA+	330 - 450 nm
UVBB (broad-band)	230 - 400 nm
VISB	400 - 480 nm
LUX	380 - 780 nm, V(λ)

TECHNICAL DATA FLT-PLC

Operation voltage	24 V
Current input	< 15 mA
Signal output	0 - 10 V
Cable	2 m, opt. up to 10 m
Cable, colours	blue = 0 V DC / GND
	red = 24 V supply voltage
	yellow = signal high
	green = signal low

TECHNICAL DATA RADIOMETER TYPES

Resolution	0,001 mW/cm ²
Cable	~ 1,5 m, optional up to 5 m

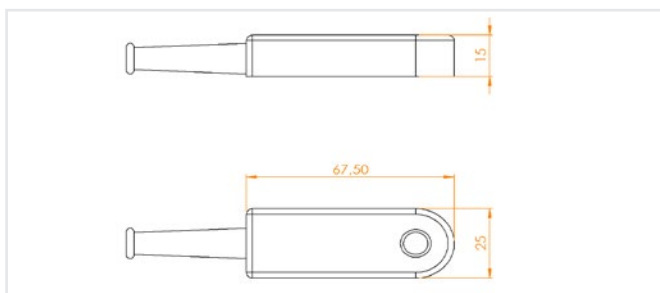
PART NUMBERS

Sensor FLT for RMD	81044x
Sensor FLT for RM-12	81041x
Sensor FLT for PLC	81043x
sensor cable, add. meter	920311

SCOPE OF DELIVERY

FLT sensor, factory calibration certificate

Please specify sensor, spectral range, measuring range when ordering.



Dimensions inline sensor FLT