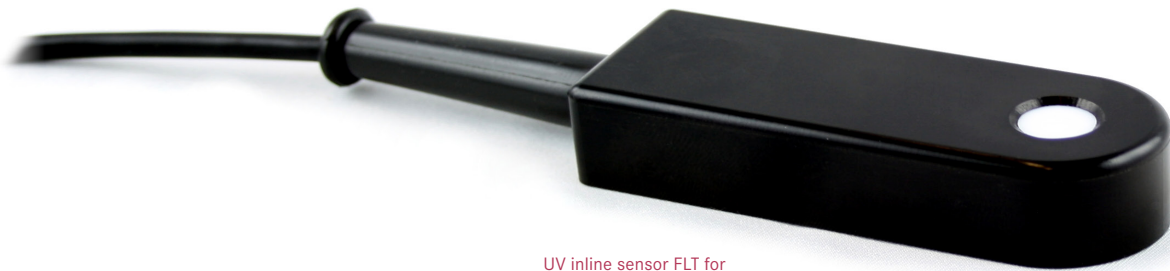


UV inline sensor FLT



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

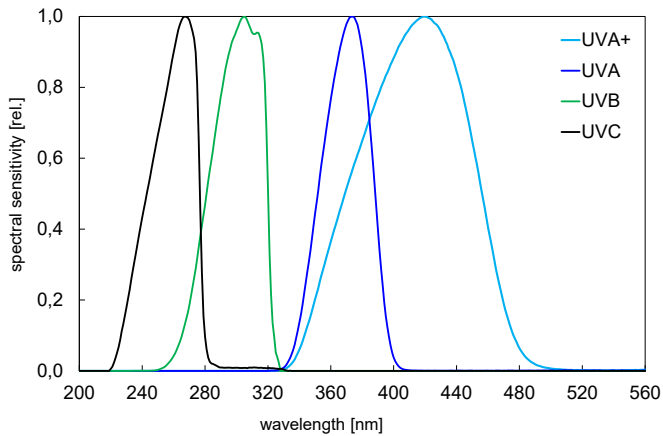


RM-32

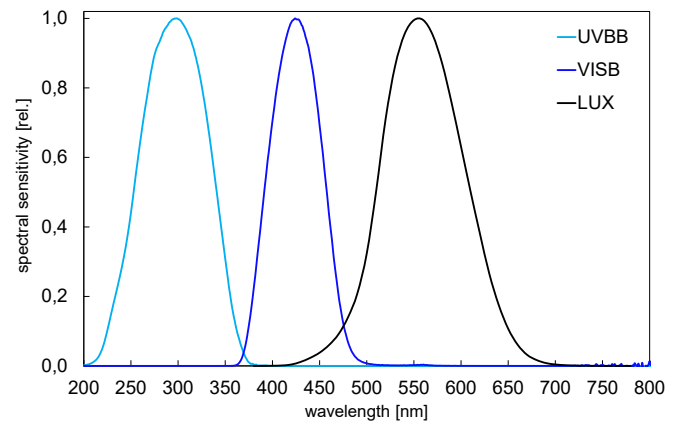


RMD

TECHNICAL DATA



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



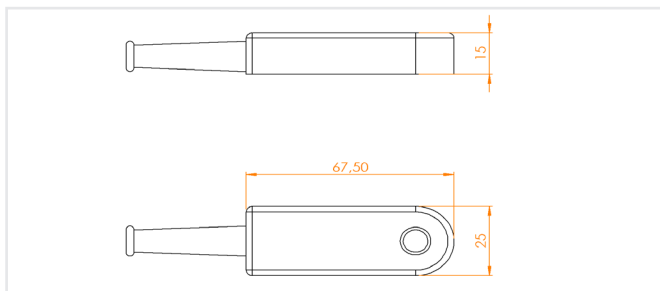
Spectral sensitivity UVBB, VISB, and LUX FLT sensors

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

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	
V1	V2
blue = 0 V DC / GND	brown = 0 V DC / GND
red = 24 V supply	white = 24 V supply
yellow = Signal High	black = Signal High
green = Signal Low	grey = Signal Low



Dimensions inline sensor FLT

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 RADIOMETER TYPES

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

PART NUMBERS

	for RMD	for SPS
Sensor FLT UVA	810450	810452
Sensor FLT UVB	810442	810432
Sensor FLT UVC	810441	810431
Sensor FLT UVBB	810440	810430
Sensor FLT UVA+	810449	810439
Sensor FLT VISB	810451	810453
Sensor FLT LUX	810446	810436
Cable, each add meter	920311	

SCOPE OF DELIVERY

FLT sensor, factory calibration certificate

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