

SMARTSens Integrated FAR UV Irradiance Sensors

Enable real-time FAR UV dose monitoring for validation of FAR UV air and surface disinfection

Real-time FAR UV dose monitoring

Labsphere's FAR UV sensors enable real-time FAR UV dose monitoring for the validation of FAR UV surface disinfection. Easily access dose information on demand using our SMARTSens software platform and integrate digital sensors as a component in your UVGI system. Each sensor delivers unparalleled application flexibility and measurement accuracy with irradiance responsivity calibration option for 222 nm excimer lamps.

Simplify dose monitoring

SMARTSens integrated digital FAR UV sensors are irradiance meters that can be used to monitor FAR UV irradiance and dose. Multiple sensors can be networked and monitored from a central location. Not sure where to place your sensors or how many sensors you need? Labsphere has you covered with our comprehensive radiometric modeling service.



Value:

- Real-time dose monitoring for disinfection confidence and exposure safety
- Instantaneous system performance feedback enables immediate troubleshooting and increased performance confidence
- Concurrent dose monitoring allows tracking of area safety levels to optimize efficiencies

Applications:

- Real-time FAR UV dose monitoring in medical disinfection enclosures
- Monitor FAR UV dose performance for room disinfection and production systems
- FAR UV research and development



Ordering Information

Model Number UVCF-HISI-002	Description High Irradiance Sensitivity - Integrated: FAR UV Irradiance and Dose Meter, Software and APIs. Calibration Sold Separately.	Order Number AA-01603-700
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Calibration

Calibration 222-EXM-IRR	Description Irradiance response for 222 nm excimer sources. Calibration and programming of response for 222 nm excimer source.	Order Number 222-EXM-IRR
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Specifications

Irradiance Range:	20 $\mu\text{W}/\text{cm}^2$ to 20 mW/cm^2	
Absolute Resolution:	0.3 $\mu\text{W}/\text{cm}^2$	
Performance:	Irradiance	Resolution (%)
	20 mW/cm^2	0.0015%
	2 mW/cm^2	0.015%
	200 $\mu\text{W}/\text{cm}^2$	0.15%
	20 $\mu\text{W}/\text{cm}^2$	1.5%
Signal to Noise Ratio:	10^4	
f2 Directional Response:	<3%	
Communication Protocol:	USB 2.0 type C	
Hardware Sampling Rate:	10 Hz	
User Defined Running Average:	Up to 25 Readings	
Compliance:	CE	
Package Dimensions:	41 mm (L) x 41 mm (W) x 23 mm (H)	
Input Optics Size:	9 mm diameter	
Input Optics Type:	Diffuser Dome	
Power:	USB 2.0 type C, 5V, 100mA	

Integrated UVCF Sensor Package

