

EIT Radiometer DIN Rail (UV Intensity Monitor)

Introduction



The **EIT 2.0 On-Line Monitoring System** delivers real-time UV intensity feedback using **durable Compact Sensors** and **DIN Rail units**. Ideal for LED or broadband sources, it ensures process control in tight, fast, or hard-to-access environments—helping you maintain quality, reduce scrap, and catch issues before they impact production.

System & Sensor Specifications

Specification	Details
System Type	Real-time, continuous UV intensity monitoring
UV Source Types	LED (L365, L385, L395, L405) Mercury (UVA, UVB, UVC, UVV)
Sensor Models	CS-1 (with purge), CS-2 (compact), BTR (Behind the Reflector)
Sensor Housing	Durable aluminum with sealed optics
Sensor Operating Temp	UVA/UVB/UVV: 0–100°C UVC & LED: 0–70°C
Acceptance Angle	4°–13°, depending on housing and aperture
Sensor Cable	10 ft (3 m), Teflon-shielded standard
Optional Accessories	EIT Quartz Rod for high-heat or tight installations
Optional Models	EMI-hardened Compact Sensors (gold-marked) with EMI DIN Rail

**Specifications are subject to change without notice.*

DIN Rail & Output Specifications

Specification	Details
Output Signal	0–10 VDC or 4–20 mA analog output
Alarm Function	User-settable thresholds with relay closure
Power Supply	20–28 Volts AC or DC Current: 70 mA max
DIN Rail Mounting	Snap-in design for easy installation
DIN Rail Temp Range	0–50°C
Signal Accuracy	±3% of full scale (10V)
Alarm Accuracy	±5% from threshold
Usage Environment	Suitable for tight spaces, enclosed systems, and high-speed production lines

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Sensor Applications

Specification	Details
Sensor Models	CS-1 (with air/nitrogen purge) CS-2 (compact height) BTR (Behind The Reflector)
Sensor Housing Material	Aluminum body with sealed optics
Sensor Aperture Size	Specified at time of order based on source type and mounting location
Cable Type	Teflon-shielded, 10 ft (3 m) standard 2-wire for Standard/LED 3-wire for EMI sensors
Sensor Mounting	Flexible: behind reflector, below quartz plate, end of lamp, etc.
Optional Accessory	EIT Quartz Rod – allows heat isolation and tight-space installation

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