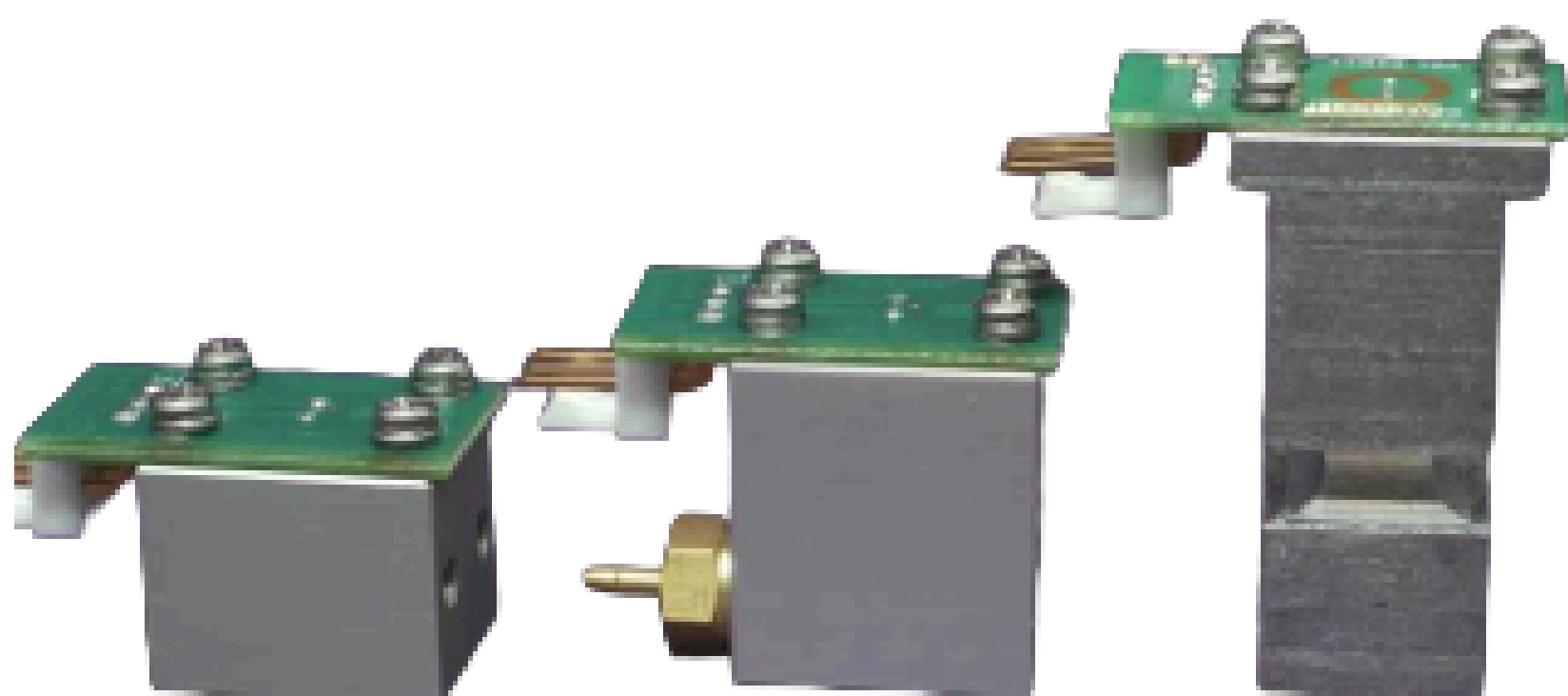


# EIT Radiometer Compact Sensor

## Introduction



## Real-Time UV Monitoring in Hard-to-Reach Environments

The **EIT Compact Sensor** is designed for **continuous, real-time monitoring of UV intensity in industrial curing applications**. Built to withstand tough environments, it **delivers reliable relative UV data** for both mercury arc and **UV LED systems**.

## Key Features

Feature	Description
UV Types	Mercury (UVA, UVB, UVC, UVV) or LED (L365, L385, L395, L405)
Versions	Standard, LED-optimized, EMI-protected
Output Signal	Millivolt output proportional to UV intensity (requires DIN rail conditioner)
Temperature	Up to 100°C (UVA, UVB, UVV) or 70°C (UVC & LED)
Accuracy	±3% of full scale, consistent for long-term process monitoring
Alarm Support	Supports external alarm trigger (via DIN module)

## Physical Design

Item	Detail
Sensor Body	Compact, sealed housing
Cable	10 ft (3 m) shielded (2-wire or 3-wire for EMI)
Mounting	Flat or angled, includes set screw for positioning
Optional Rod	EIT Quartz Rod for tight/hot spaces (10 cm long, 0.5 cm diameter)

## Sensor Variants

Model Type	Description	Use Case
CS-1	With air purge and optical input port	General UV line monitoring
CS-2	Ultra-compact, no air purge	Tight installation spaces
BTR	"Behind-the-reflector" sensing	For internal lamp systems (OEMs)

## EMI-Protected Version (Optional)

For high-noise environments (e.g., near UV power supplies), use:

- EMI sensor version (gold dot labeled)
- 3-wire twisted cable
- Must be paired with EMI DIN Rail Module (DRM-006)

## Ordering Tips

- UV Band: UVA, UVB, UVC, UVV (for mercury) or L365–L405 (for LED)
- Sensor Version: CS-1, CS-2, or BTR
- Standard or EMI protection
- Optional: EIT Quartz Rod if needed for hot/tight locations

Authorised distributor:

\*\*To find out more, please visit our website: [www.vyns.tech](http://www.vyns.tech) & contact our distributor

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