

EIT RADIOMETER

EIT 2.0 SPOTCURE® UV INTENSITY METER

Introduction



The **EIT 2.0 SpotCure®** is your go-to solution for fast, **accurate UV intensity measurement in spot curing systems**. Compact and easy to operate, this self-contained handheld device sets the benchmark for validating and monitoring UV output. Whether you're **evaluating lamp performance**, **checking light guide condition**, or **optimizing curing setup**, SpotCure delivers dependable results—anywhere, anytime. Designed for professionals who demand accuracy and durability, the SpotCure combines high-performance optics, long battery life, and versatile adaptor support, all in a rugged, portable package.

General Specifications

Feature	Details
Spectral Response	UVA (320–390 nm)
Intensity Ranges	• Standard: 0–19.99 W/cm ² (SP1-365-EIT) • Extended: 0–99.9 W/cm ² (SP1-365-EIT-ER)
Resolution	• Standard: 10 mW/cm ² • Extended: 100 mW/cm ²
Accuracy	±10%; typically ±5% ± 0.3% full scale
Display	3½ digit LCD
Display Hold Time	Approximately 3 minutes
Operating Temp	0–70°C
Power Source	Long-life lithium battery stick
Battery Life	Over 100,000 readings / 12,500 hours continuous operation

**Specifications are subject to change without notice.*

Design & Physical Attributes

Feature	Details
Dimensions	• Overall: 6.40” L x 1.74” Ø (16.26 x 4.42 cm) • Measurement Head: 2.13” Ø (5.41 cm)
Weight	12.8 oz. (358 g)
Material	Aluminum, polyester, quartz
Design	Handheld, rugged, flashlight-style body
Portability	Fully self-contained, cordless
Light Guide Adapters	Includes 3 sizes: 5 mm, 7 mm, 10 mm
Calibration	NIST-traceable certificate included
Accessories	Carry case, quick guide, 3 adaptors included
Made In	USA

Key Applications

Application Area	Purpose / Benefit
System Performance Monitoring	Ensure consistent UV output from spot curing systems
Lamp Performance Measurement	Assess individual UV lamp intensity and health
Light Guide Condition Evaluation	Detect degradation, contamination, or damage in light guides
Light Guide Alignment Optimization	Improve curing accuracy by optimizing guide placement
Quality Assurance & Validation	Verify curing parameters meet process and regulatory standards
Comparing Multiple Systems	Benchmark and compare UV performance across different equipment setups
Process Troubleshooting	Identify performance drops due to worn components or incorrect settings

Unique Selling Points

Feature	What Makes It Stand Out
Portable & Cordless	No cables or connectors needed — ideal for on-the-go and in-line use
Long Battery Life	Over 100,000 readings or 12,500 hours of continuous use with a single lithium battery
Fast & Accurate Measurement	Delivers reliable readings with ±10% accuracy (typically ±5% ±0.3% full scale)
Adaptable Design	Includes 3 light guide adaptors (5mm, 7mm, 10mm) to fit common wand sizes
User-Friendly Operation	One-button control with automatic 3-minute display hold — simple and efficient
Rugged Construction	Durable flashlight-style body built for harsh industrial and UV environments
NIST-Traceable Calibration	Comes with certification for compliance and traceability
Made in the USA	Precision-engineered and manufactured with high-quality materials

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