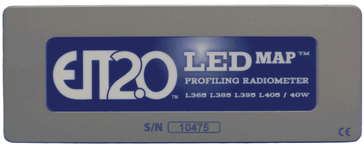
EIT RADIOMETER

EIT LEDMAP™ PROFILING RADIOMETER

Introduction



High-Speed UV LED Profiling with Precision & Insight

The **EIT LEDMAP** is a compact, powerful profiling radiometer engineered **to measure UV LED systems in real-world, high-speed production environments**. With high-resolution sampling, detailed spectral band measurement, and integrated temperature logging, it provides unmatched visibility into your UV LED curing process.

LEDMAP Key Features

Feature	Description
Compact Size	5.5" x 2.1" x 0.55" (139.7 x 53.34 x 13.97 mm); 7.3 oz (207 g)
Spectral Response	Select from 4 patented L-Bands: L365, L385, L395, L405
Dynamic Range	40 W/cm² (typical operating range: 200 mW/cm² to 40 W/cm²)
High Sample Rate	Adjustable: 128 to 2048 Hz (up to 2130.5 Hz shown in field use)
Large Memory	Stores up to 65 minutes of data at full speed
Temperature Logging	J-type thermocouple included; sampled at 32 Hz
Pause Mode	Pause/resume up to 8 times during a run
Battery	Rechargeable lithium; 100 min runtime; 90 min charge via smart charger
USB Interface	Fast data transfer; supports USB charging as well

Key Measurements

- **Irradiance** (W/cm²)
- **Energy Density** (J/cm²)
- **Irradiance Profile** (Watts/cm² vs. Time)
- **Temperature Profile** (°C vs. Time)

LEDMAP L-Band Spectral Options

L-Band	Wavelength Range	Bandwidth (FWHM)	OD Blocking
L365	**340–392 nm**	**±2 nm (52 nm)**	**OD > 4**
L385	**360–412 nm**	**±2 nm (52 nm)**	**OD > 4**
L395	**370–422 nm**	**±2 nm (52 nm)**	**OD > 4**
L405	**380–432 nm**	**±2 nm (52 nm)**	**OD > 4**

Measures individual LED peaks, intensity distribution, and system consistency—ideal for digital printers, conveyors, and line arrays.

UV PowerView Software® III

Analyze LEDMAP data in powerful visual and tabular formats.

- Dual graph mode: Compare two profiles (UV bands + temp)
- Detailed data tables by file or band
- Custom process notes & export to Excel
- LabVIEW-based *.tdms file format
- Compatible with Windows 7–10

Included with LEDMAP

- LEDMAP instrument
- Smart battery charger
- J-type thermocouple
- USB cable & software/manual (USB drive)
- Rugged carrying case with custom foam insert

Typical Applications

- High-speed digital printing (e.g., 400 fpm with 30 sec scans)
- LED curing systems on web or conveyor lines
- Profiling individual LED arrays for peak uniformity
- Monitoring thermal performance alongside UV output

Authorised distributor:

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