

ILT490

Profiling Belt Radiometer

The NEW ILT490 incorporates the measurement capabilities and exceptional performance criteria of the original IL390 and IL290 UV Curing Light Bug with the improved features of the ILT400 including profiling, graphing, cost reduction, rechargeable batteries and A400 charger.

The ILT490 works with many lamp options from Iron doped, H and D type lamps, and standard UV sources.

The ILT490 Belt Radiometer, comes in two versions: the ILT490 broadband UV for 250-400 nm, and the ILT490C UVC for 205-345 nm (see graph below). Special "O" software is available for low light level applications for 1 mW/cm² to 2.5 W/cm² with profiling at 10 mW/cm² available at no additional cost.



技术咨询与报价
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SPECIFICATIONS

Dose Range: 5 mJ – 20 J/cm²

Temperature Range: 10° – 50° C (case temperature)

Irradiance Range: 10 mW/cm² – 20 W/cm²

Accuracy: Typically better than 6%

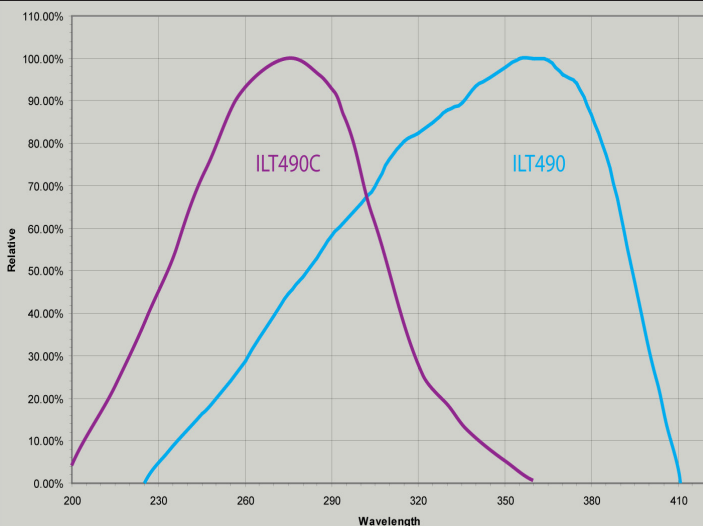
Cosine Receptor: Integrating sphere

Display: 4 significant digits

Display Graphics: Resolves 5% of full scale (peak irradiance)

Size: 12.7 x 111 x 161 mm (0.5" x 4.4" x 6.3")

SPECTRAL CURVES



FEATURES & BENEFITS

- ◇ NIST-traceable calibration
- ◇ Measurement spectrum matches industry standard IL390 (ILT490) & IL290 (ILT490C)
- ◇ Built-in re-chargeable batteries (includes A400 charger)
- ◇ Integrated exposure (J/cm²)
- ◇ Peak Irradiance (W/cm²)
- ◇ Intensity profiling with auto-scale
- ◇ Baseline profile memory
- ◇ Current - Baseline % Difference



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TECHNOLOGIES

NIST-Traceable Light Measurement Systems

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The ILT490 incorporates the measurement capabilities and exceptional performance criteria of the original IL390 and IL290 UV Curing Light Bug, with the improved features of the ILT400, including profiling, graphing, cost reduction, rechargeable batteries and A400 charger.

The ILT490 works with many lamp options from Iron doped, H and D type lamps, as well as standard UV sources.

The ILT490 all in one belt radiometer, comes in two versions: the ILT490 broadband UV for 250-400 nm, and the ILT490C UVC for 205-345 nm. (see graph below).



FEATURES & BENEFITS

- ◆ NIST - traceable calibration
- ◆ Measurement spectrum matches industry standard IL390 (ILT490) & IL290 (ILT490C)
- ◆ Built-in re-chargeable batteries (includes A400 charger)
- ◆ Integrated exposure (J/cm^2)
- ◆ Peak irradiance (W/cm^2)
- ◆ Intensity profiling with auto-scale
- ◆ Baseline profile memory
- ◆ Current - baseline % difference

SPECIFICATIONS

Exposure: $5 mJ/cm^2 - 20 J/cm^2$

Temperature Range: $10^\circ - 60^\circ C$ Internal case temperature (greater ambient temperatures can be tolerated for short periods if the maximum internal case temperature is not exceeded)

Irradiance Profile: $5 mW/cm^2 - 20 W/cm^2$

Accuracy: Typically better than $\pm 6\%$

Cosine Receptor: Integrating sphere

Belt Speed: 1 - 80 feet-per-minute (0.305 to 24.4 meters-per-minute)

Display Graphics: Resolves 5% of full scale (peak irradiance)

Size: 12.7 x 111 x 161 mm (.5" x 4.4" x 6.3")

SPECTRAL RESPONSE

