

PHOTOMETRIC AND RADIOMETRIC PROBES



UVA IRRADIANCE

HIGHLIGHTS:

- Control of UV lamps in cosmetic centers and solariums
- Review of the control of cosmetic tanning systems
- Measurement of the UVA irradiance during penetrant tests according to DIN EN ISO 3059 (crack/ surface test)

LP 471-UVA

Item No. 700067

Probe for photo- and radiometer HD2302, UVA irradiance

GENERAL:

Radiometric probe for measuring the irradiance in the UVA spectral range 315..400 nm, tip at 360 nm, quartz diffuser for cosine correction.
Measuring range: $1.0 \cdot 10^{-3} \text{ W/m}^2$..2000 W/m^2 .

APPLICATION:

Timing light to avoid eye problems. For casting and welding control, polymerisation of paints, resins, adhesives

TECHNICAL SPECIFICATIONS:

Measuring range (W/m ²):	1.0 · 10 ⁻³ ..999.9 · 10 ⁻³ 1000..19999 20,00..199,99 200,0..1999,9
Resolution (W/m ²):	0.1 · 10 ⁻³ 0.001 0.01 0.1
Spectral range:	315..400 nm (peak 360 nm)
Calibration uncertainty:	<5 %
f ₃ (linearity):	<1 %
f ₄ (read error of the device):	± 1 digit
f ₅ (fatigue):	<0.5 %
Drift after 1 year:	<2 %
Working temperature:	0 .. + 50 °C

HIGHLIGHTS:

- Light treatment for psoriasis with UVB lamps



UVB IRRADIANCE

LP 471-UVB

Item No. 700068

Probe for photo- and radiometer HD2302, UVB irradiance

GENERAL:

Radiometric probe for measuring the irradiance in the UVB spectral range 280..315 nm, peak at 305..310 nm, quartz diffuser for cosine correction.
Measuring range: $1.0 \cdot 10^{-3} \text{ W/m}^2$..2000 W/m^2 .

APPLICATION:

Polymerization of paints, resins, adhesives. Quality control by UV lamps. In offset printing and lithography & electronics, for casting and welding control, timing light to avoid eye problems

TECHNICAL SPECIFICATIONS:

Measuring range (W/m ²):	1.0 · 10 ⁻³ ..999.9 · 10 ⁻³ 1000..19999 20,00..199,99 200,0..1999,9
Resolution (W/m ²):	0.1 · 10 ⁻³ 0.001 0.01 0.1
Spectral range:	280..315 nm (peak 305 nm..310 nm)
Calibration uncertainty:	<5 %
f ₃ (linearity):	<2 %
f ₄ (read error of the device):	± 1 digit
f ₅ (fatigue):	<0.5 %
Drift after 1 year:	<2 %
Working temperature:	0 .. + 50 °C

HIGHLIGHTS:

- Control of the UVC lamps during pasteurization, air and water sterilization



UVC IRRADIANCE

LP 471-UVC

Item No. 700069

Probe for photo- and radiometer HD2302, UVC irradiance

GENERAL:

For measurements in the UVC spectral range 220..280 nm, peak at 260 nm, quartz diffuser for cosine correction.
Measuring range: $1.0 \cdot 10^{-3} \text{ W/m}^2$..2000 W/m^2 .

TECHNICAL SPECIFICATIONS:

Measuring range (W/m ²):	1.0 · 10 ⁻³ ..999.9 · 10 ⁻³ 1.000..19.999 20,00..199,99 200,0..1.999,9
Resolution (W/m ²):	0.1 · 10 ⁻³ 0.001 0.01 0.1
Spectral range:	220..280 nm (peak 260 nm)
Calibration uncertainty:	<5 %
f ₃ (linearity):	<1 %
f ₄ (read error of the device):	± 1 digit
f ₅ (fatigue):	<0.5 %
Drift after 1 year:	<2 %
Working temperature:	0 .. + 50 °C