光偵測頭
Light Detector

InternationalLight TECHNOLOGIES



光輻射測量
Radiometry Light Measurement

Radiometry is the detection and measurement of the electromagnetic spectrum (ultraviolet, visible, and infrared).

Specifications

Application	Common Sources	Spectral Range	Product Options	Measurement Range	Units
		250 - 1050 nm	ILT950 SPECTRORADIOMETER	Customized spectrum	W/m²/nm
		400-1064 nm	IL1700, SED033/F/W	$1.54e^{-10}$ to $1.54e^{-1}$	W/cm²
	All sources of light	400-1064 nm	IL1400, SEL033/F/W	$7.69e^{-9}$ to $2.69e^{-2}$	W/cm²
		400-700 nm	IL1700, SED033/F/HMR/W	$2.41e^{-10}$ to $2.41e^{-1}$	W/cm²
		400-700 nm	IL1400, SEL033/F/HMR/W	$1.20e^{-8}$ to $4.22e^{-2}$	W/cm²
		250-400 nm	IL1700, SED005/WBS320/W	$2.33e^{-9}$ to $2.33e^{+0}$	W/cm²
	Lamps	250-400 nm	IL1400, SEL005/WBS320/TD	$1.82e^{-7}$ to $6.36e^{-1}$	W/cm²
		850-1700 nm	IL1700, SED007/W	$7.14e^{-11}$ to $7.14e^{-2}$	W/cm²
	Flames	850-1700 nm	IL1400, SEL007/W	$3.57e^{-9}$ to $1.25e^{-2}$	W/cm²
		200-4200 nm	IL1700, SED623/K9	$2.00e^{-5}$ to $2.22e^{-1}$	W/cm²
		200-4200 nm	IL1400, SEL623/K9	$2.00e^{-5}$ to $9.67e^{-2}$	W/cm²
	Chemical reactions	200-40,000 nm	IL1700, SED624/K9	$2.00e^{-5}$ to $2.22e^{-1}$	W/cm²
			IL1400, SEL624/K9	$2.00e^{-5}$ to $9.67e^{-2}$	W/cm²
High gain, very low light levels	Photon counting	250-600 nm	ILT1700, SPM068/ QNDS3/W	$1.05e^{-12}$ to $1.05e^{-5}$ (HIGH)	W/cm²
Irradiance and radiance	Chemical reactions	250-600 nm	ILT1700, SPM068/ QNDS3/R	$1.37e^{-11}$ to $1.37e^{-4}$ (HIGH)	W/cm²/sr
	Phosphorescence				

* All Radiometers / Photometers / Spectroradiometers are NIST Traceable.

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