

TI2021* INDOOR ILLUMINANCE IRRADIANCE TRANSMITTERS

Indoor transmitters series, converts photometric and radiometric parameters, such as illuminance (Lux) and irradiance (W/m²) in the UVA, UVB, UVC spectral regions and in the 400 ... 1050nm band, into a 0 ... 10Vdc voltage signal. The 0-10 V output voltage (0-1V, 0-5V, 4-20mA available on special request for orders at least 5 units) is factory calibrated according to the full scale range specified at the order time.

Applications:

Illuminance control in industrial buildings, commercial floriculture, theaters, museums, sports facilities, galleries

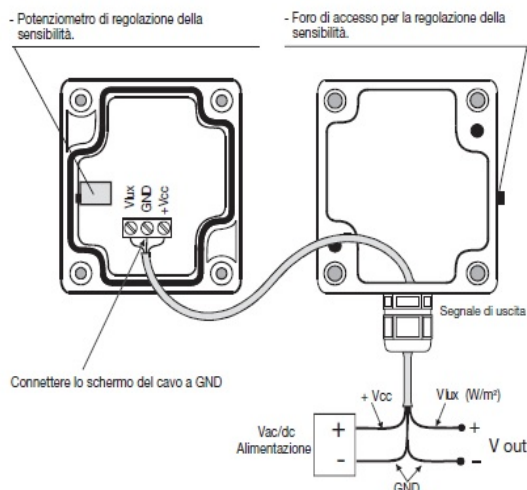
Control of solar irradiance

Control of irradiance emitted by solar lamps or sterilization systems



TECHNICAL SPECIFICATIONS

	TI2021T	TI2021T1	TI2021T2	TI2021T3	TI2021T4
Sensor:	Photodiode Si		Photodiode GaP	Photodiode SiC	
Spectral range:	Curve V(λ)	400...1050nm	UVA	UVB	UVC
Measurement type:	Photometric	Radiometric			
Angle of view:	Correct (Agreement law of Cosine)				
Range:	0.02...2 klux	0.2...20 W/m2	0.2...20 W/m2	2...200 W/m2	2...200 W/m2
	0.2...20 klux	2...200 W/m2	2...200 W/m2	20...2000 W/m2	20...2000 W/m2
	2...200 klux	20...2000 W/m2	20...2000 W/m2		
	Other ranges on request, minimum order 5 pieces				
	mV/lux	mv/(mW/m2)	mv/(mW/m2) peak 360nm	mv/(mW/m2) peak 305nm	mv/(mW/m2) peak 260nm
Output signal:	0-10V, 4-20mA. On request minimum order 5 pcs 0-1 e 0-5V				
Supply:	16...40Vdc or 24Vac for 0-10V; 10...40Vdc or 24Vac 0-1 and 0-5V; 10...40Vdc for 4-20mA				
Power consumption:	10 mA				
Working temperature:	-20...+60°C				
Electrical protection, class:	Protected against reverse polarity - IP 66				
Dimensions:	58x65x52 mm				
Cable length:	150 m w/current output 4...20 mA m w/voltage output 0...1-5-10V				10



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