LBB-IR-Series -LED Analyzer Product

Features overview:

>Designed for IR-LED on-line measurement applications

>16/20bit high resolution IR sensor, high measurement accuracy

>High range up to 100mW /cm^2 measurement range, resolution to 0.1uW

>Choose a variety of narrow band filter,FWHM=30/50nm/80nm

>Support the common infrared wavelength of 808,850,940, 980,1050 nm

>Rich communication interface (USB/RS485/RS232)

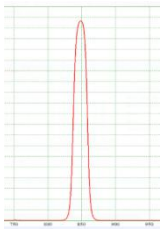
>Multi-channel simultaneous automatic capture of LED flicker frequency (<30 hz);

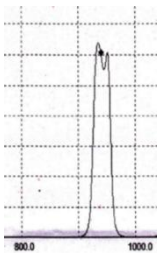
>Optional to pass the test, DIO output test results, docking with PLC

>Providedevelopment SDK, can be embedded FCT,ATE machine

>Compatible with fiber 1/1.3/2.2, special fiber quick plug connector

>Wide voltage operation, industrial grade design, high stability





Application:

> All kinds of PCBA IR LED intensity measurement occasions;

> Proximity Proximity-IR-LED test site

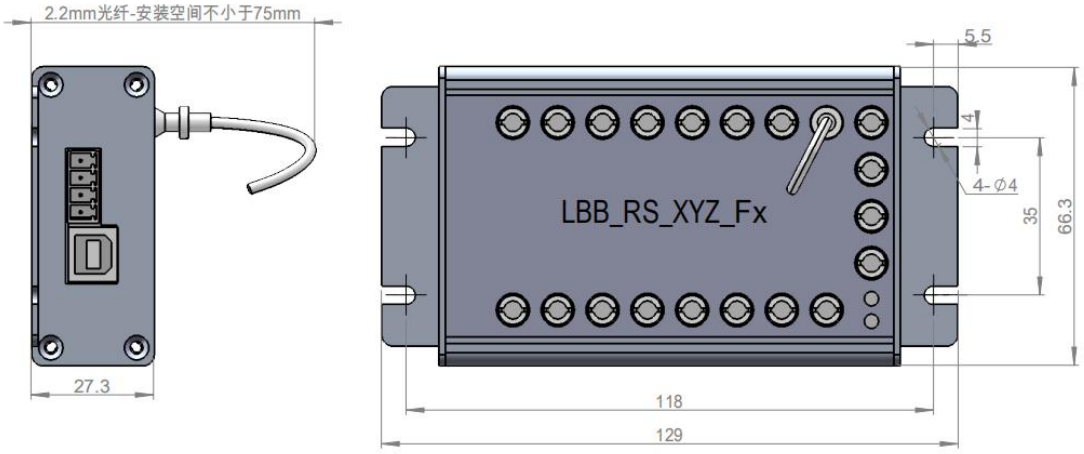
> Monitoring camera IR-LED measuring occasions;

>IR remote control test occasion;

List of electrical optics specifications:

Type	Item	Parameter	Remark
electrical specification	Input voltage	USB power supply or external DC9-26V power supply	T<70℃, H<90%
	Working current	USB-300MA,DC24V-100MA	Built-in fuse, one-way diode
	Communication Interface	USB (USB to RS232) and RS485	
	communication protocol	8,1,None,buad(2400-921600)	ID, Buad can be configured, the same as the two interface communication protocols
	data format	RGBI,HSL,Lux,Flick etc.	
	Module channel	4/8/12/16/20chl can be chosen	The size of the shell does not change
	Cascade expansion	RS485 interface supports 64 modules in parallel	Maximum support 64 * 20 = 1280 channels
	DIO interface	Optional DIO interface can be connected with PLC	Configure the upper and lower limits, IO automatically output the results, offline running
	special function	digitron read and LED flashing	Replace the CCD to read the digital tube data

		frequency (f <30Hz)	
Software programming	Programming language	C,C++,C#,VB,labview etc.	Provide Labview sample source code
	SDK	Provide RS232 command table，	MODBUS-ASCII protocol
	support system	WINDOWS,LINUX,Wince etc.	Serial port instructions support any hardware and software platform
	Debugging software	Equipped with full-featured measurement and analysis software	Can be configured upper and lower limits, DI trigger, DO output, offline running
Optical data characteristics	radiation illuminance	uw/cm^2,	Repeated measurement：1%
	Intensity of radiation	uw/sr	Secondary calibration required
	Light power	uw，mw	Secondary calibration required
Optical hardware characteristics	Wavelength range	750-1100nm	Non-visible light measurement
	Intensity range	Up to 1 million uw/cm^2,	The resolution is up to 0.1uw/cm^2
	optical filters	808,850,940,980,1050nm filters	Narrow Band filter FWHM=30/50/80nm optional
	Fiber specification	1.0./ 1.3/2.2mm fiber	
	measurement principle	Photodiode +IR narrowband filter	Non-spectral Type
Shell size (Patent shell)	boundary dimension	128 * 66 * 30mm	Positioning hole spacing 35mm (4mm through hole)
	Fiber fixation	Optical fiber clip	Fast plug interface
	Material	Black POM+Aluminum alloy	Led BLACK BOX (LBB)
	Expansion interface	DIO	The extended DIO module can interact with PLC



注：
装配误差±0.5mm;