



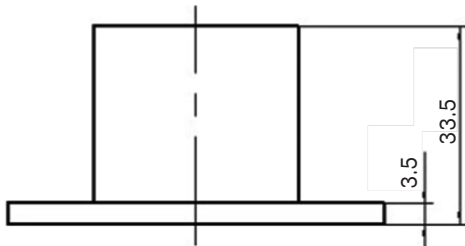
SX2597

SX2597, RADIATION SENSOR

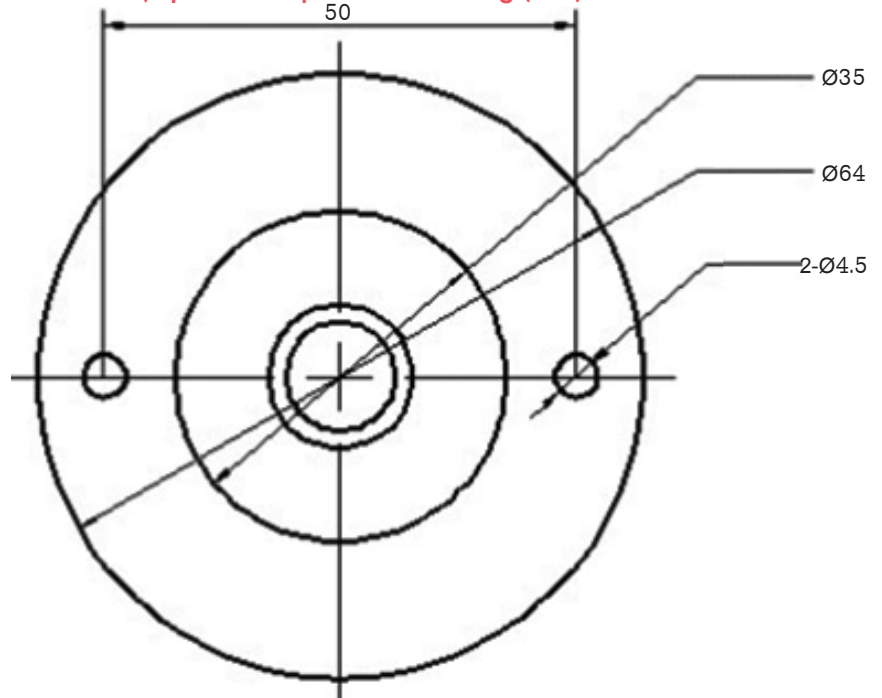
The SX2597 UV Radiation Sensor is a precision instrument used to measure the atmosphere of the sun's ultraviolet radiation (UVA & UVB), supporting the product related information acquisition instrument use can provide public concern: the UV index, UV erythema measurement, on the health effects of the UV and UV special biology and chemistry, highly meteorology, industry, construction, medical attention, are widely used in the exposure caused erythema dose, integrated environment ecological effect, the study of climate change and ultraviolet radiation monitoring and forecast.

Applications:

- ▶ Agriculture
- ▶ Factory
- ▶ Farm
- ▶ Forestry
- ▶ PV power
- ▶ PV station
- ▶ Scoolyard weather station
- ▶ Solar radiation monitoring station.



Dimensions, Spectral Response & Mounting (mm):



MODEL	SX2597
Spectral range	280 ~ 400nm
Supply	5V,12-24VDC
Range	0-200W/m2, 0-200uW/cm2 (only for 0-2V output), 0-15UV index
Output	0-2V, 4-20mA (2 wires), 0-5V, RS485
Accuracy	±5% rdg
Response time	≤1s
Cosine correction	≤±4% (Solar elevation angle=30°)
Non-linear	≤±3%
Temperature effect	±0.08%/°C
Stability	≤±2%/year
Operating temperature	-40°C - +85°C
Ingress Protection	IP65
Weight (unpacked)	150g
Shell material	Aluminum alloy
Storage Condition	10°C - 60°C@20%-90%RH