



AIT-TBQ Irradiation Sensor



Professional technical team



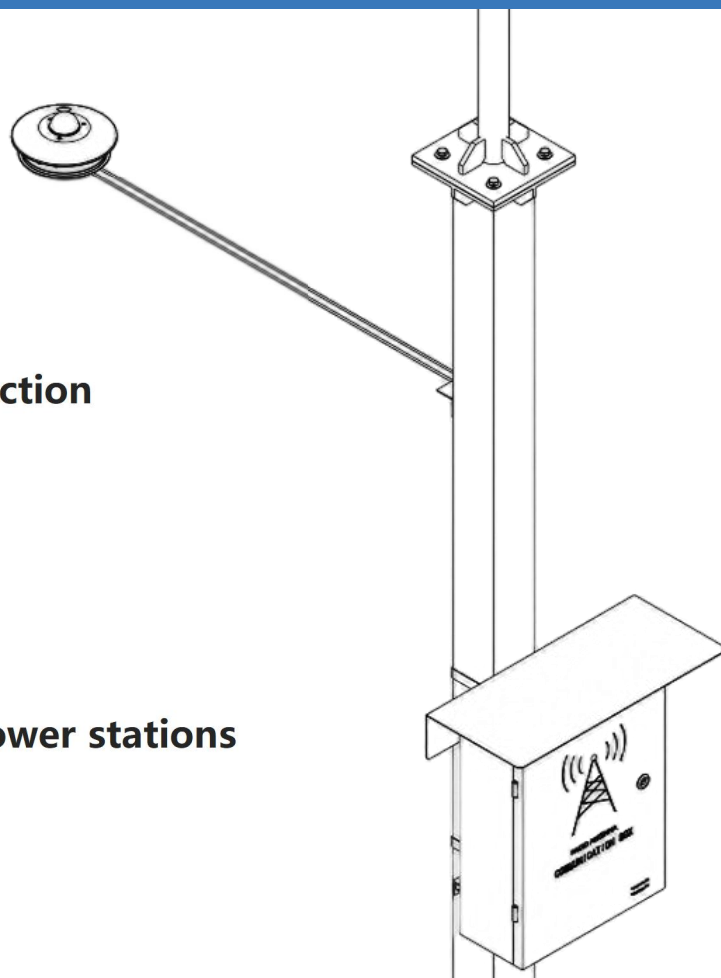
Convenient man-machine interaction



Safe and durable



Intelligent algorithms enable power stations



www.zeyang-ai.com



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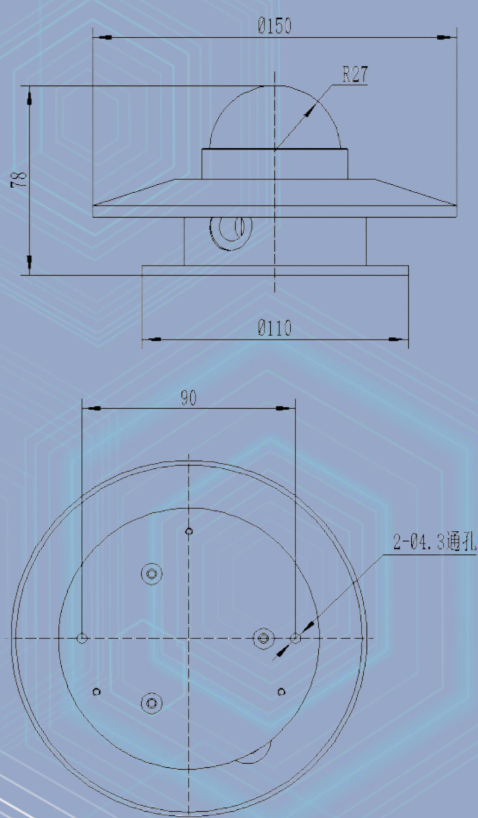
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AIT-TBQ



AIT- T20 Thermoelectric Solar Total Radiation Sensor Datasheet

Power Supply Range	9-30V DC (RS485, 4-20mA, 0-5V) 12-30V DC(0-10V)	
Output Type	Digital Output	RS485 (Standard Modbus-RTU Protocol)
	Current Output	4-20mA
	Voltage Output	0-5V , 0-10V
Operating Temperature	-40℃~60℃	
Sensitivity	$\geq 7\mu V / W \cdot m^2$	
Internal Resistance	$< 800\Omega$	
Measuring Range	0~2000W/m ²	
Accuracy	$\leq \pm 3\%FS$	
Response time	$\leq 45s$	
Resolution	1W/m ²	
Non-linearity	$\leq \pm 3\%FS$	
Annual Stability	$\leq \pm 3\%FS$	
Spectroradiometric Range	0.3-3 μm	
Spectroscopic Response Range	300-3000nm	
(IP) Rating	IP67	
Applicable Standards	Modbus-RTU Protocol	



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