

Illumination Sensor

Product model: FST100-2003

The FST100-2003 illuminance transmitter adopts wall-mounted installation and adopts imported light sensor detection devices. It has the characteristics of high measurement accuracy, good stability, long transmission distance, and strong anti-interference ability. It is widely used in indoor and outdoor environmental monitoring, agricultural greenhouses, flower cultivation and other occasions that require light intensity monitoring.

Features

- ✓ Using high-quality photosensitive elements, high-precision measurement
- ✓ Moisture-proof shell design, suitable for many occasions
- ✓ Superior performance, good long-term stability



Scope of application

- ◇ Indoor and outdoor environmental monitoring
- ◇ Agricultural greenhouses, flower cultivation, etc.
- ◇ Workshops, outdoor lighting and other occasions requiring illuminance monitoring

Technical Parameters

Light intensity range	0-65535Lux; 0 ~ 200,000 Lux	Long-term stability	Light intensity: ≤5%/year
Signal output	4~20mA/0~5VDC/0~10VDC RS485 output (Modbus protocol)		
Operating voltage	10~30VDC Note: 0~10VDC output (limited to 24VDC power supply)		
Power consumption	Analog signal (voltage/current 1.2W MAX.) Digital signal ≤0.4W		
Precision	Light intensity: ±7% (25°C)		
Response time	≤0.1S		
Sensor body working temperature	-20~60°C, 0%RH~80%RH		
Electrical connections	Direct out		

Product size and wiring method

