SEM228V Aluminum UV Transmitter

MAIN FEATURES

- The UV measurement device is highly sensitive to 290-390 nm to accurately measure the UV intensity.
- Adopt standard ModBus-RTU communication protocol
- The protection level is high, and the application environment is wide.
- 10-30V DC wide voltage power supply.

OVERVIEW

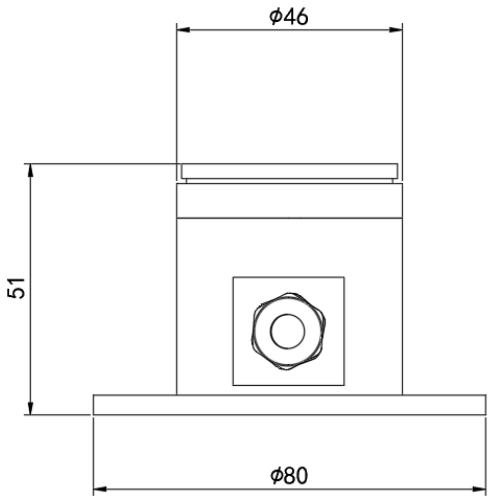
SEM228V is an ultraviolet transmitter developed by our company. This product is based on the principle that a photosensitive element converts ultraviolet light into a measurable electrical signal to realize online monitoring of ultraviolet light. The circuit uses American imported industrial-grade microprocessor chips and imported high-precision ultraviolet sensors to ensure the excellent reliability and high precision of the product. The integrated sensor of the product is integrated and the measurement data is more comprehensive. The product outputs 485 signals (standard Modbus-RTU protocol), can communicate up to 2000 meters, and supports secondary development. The product shell has a high protection grade shell, and the protection grade is IP67.
This product can be widely used in environmental monitoring, weather monitoring, agriculture, forestry and other environments. Measure ultraviolet rays in the atmosphere and under artificial light sources.

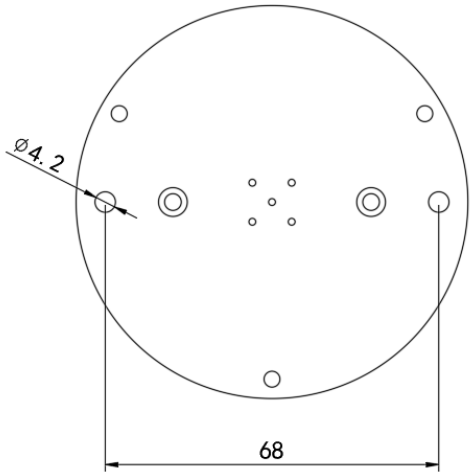
SPECIFICATION

Power supply	10-30VDC (0~10V type products can only supply DC 24V)
Power consumption	RS485:0.06W 4~20mA/0~5V/0~10V: 0.6 W
Output signal	485 (Modbus-RTU protocol) 4mA~20mA current output 0~5V, 0~10V voltage output
Accuracy	±10% FS (60%RH, 25°C)
Ultraviolet intensity range	0~15 mW/ cm2
Measurement wavelength range	290-390 nm
Response time	0.2S
Linearity	≤±1%
Annual stability	≤±3%
Resolution	0.01 mW/ cm2
Operating temperature	-25°C~60°C

E-mail: info@cdsentec.com www.cdsentec.com

DIMENSION





ORDER CODE

Code:	A	–	B	–	C
SEM	228V	–	A	–	R

Model	Code A
UV Transmitter	228V
Range	**Code B**
Aluminum housing	A

Signal output	Code C
485 output (standard Modbus-RTU)	R
4~20mA current output	S4
0~5V voltage output	S5
0~10V voltage output	S1