

- This pm sensor mainly adopts a wall-mounted installation method to detect the concentration of PM2.5 and PM10 in the room. The shell is made of high-strength waterproof material, which is not easily interfered with by water vapor and smoke in the air. This is an industrial cheap air quality sensor with high measurement accuracy and a wider range of use.
- Range: 0-1000ug/m3, resolution 1ug/m3.
- PM2.5 and PM10 are output at the same time.
- Unique dual-frequency data acquisition and automatic calibration technology, the consistency can reach ±10%.
- Long service life, the overall warranty is 2 years in a normal environment.
- Suitable for both four wire and three wire connections.
- Modbus-RTU communication protocol.



**SPECIFICATION**

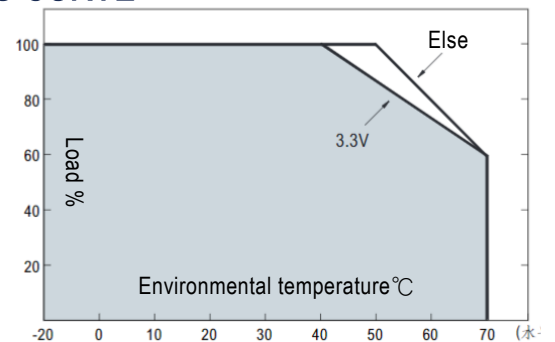
- ◆Resolution: 1ug/m3
- ◆Accuracy: ±10%(@500ug/m3,60%RH,25°C)
- ◆Operating temp.& Humi.: -20°C~+60°C , 0%RH~95%RH(non-condensing)
- ◆Measure range: PM2.5 0~1000ug/m3(Standard)  
PM10 0~1000ug/m3(Standard)
- ◆Responding speed: ≤90S
- ◆Preheat time: ≤2min
- ◆Output signal: Current Output 4-20mA
- ◆Load capacity: Current Output≤600Ω
- ◆Power supply: Wide voltage10~30V DC Current Input
- ◆Communication: RS-485(modbus)  
Baud rate: 2400. 4800(standard). 9600  
Data bit length: 8 bits  
Parity check method: None  
Stop bit length: 1 bit  
Standard ModBus communication address: 1

**ORDER INFORMATION**

DCPM- Code1 - Code2 - Code3

Code1	Output Signal	Code2	Accessory	Code3	Type
DA6	4~20mA Current	BOX	Wall box	8TH	Forced air inlet of fan
Y	RS-485	BYH	Louver cover	N	None

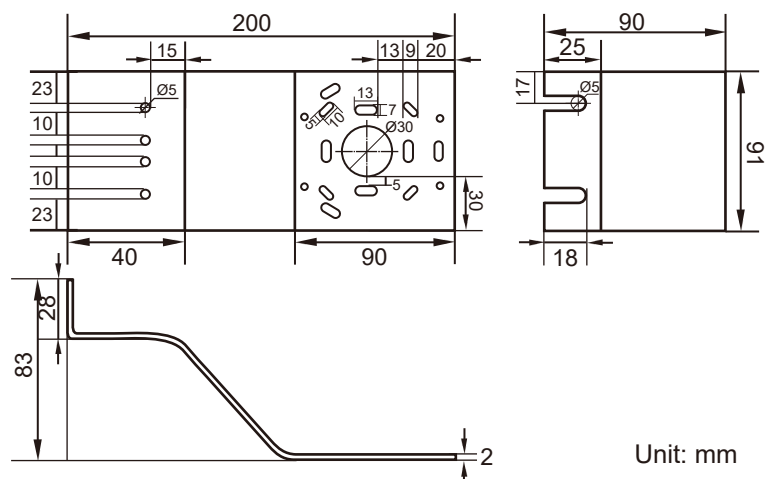
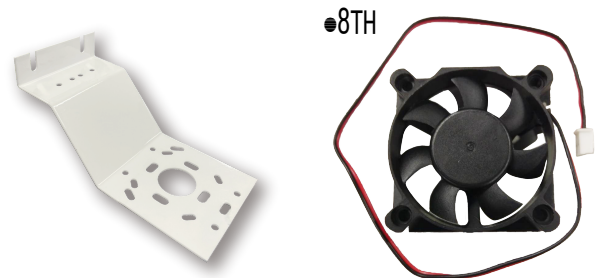
**DERATING CURVE**



**25W SWITCHING POWER SUPPLY**

- ◆Voltage range : 88-264VAC or 125-373VDC (withstand 30VAC surge input for 5S without damage)
- ◆Frequency range : 47~63Hz
- ◆Efficiency (Typ.) : 86%
- ◆AC current (Typ.) : 0.7A/115VAC 0.4A/ 230VAC
- ◆Surge current (Typ.) : Cold start: 45A/ 230VAC
- ◆Leakage current : <2mA/ 240VAC
- ◆Overload : 110%~180% of rated output  
Protection mode: Hiccup mode, automatic recovery after removal of abnormal load conditions
- ◆Overvoltage : 27.6~32.4V protection mode: turn off output voltage, diode clamping
- ◆Working temp. : -20 °C~+70 °C (please refer to the derating curve)
- ◆Working humi. : 20~90% RH, no condensation
- ◆Storage temp./ humi. : -40~+85°C, 10~95% RH
- ◆Temp. coefficient : +0.03%/°C(0~50°C)
- ◆Vibration resistance : 10~500Hz, 5G10 minutes/ cycle, 60 minutes each for X, Y and Z axes.

**INSTALLATION ACCESSORIES**



Unit: mm