

SY0293

Small weather station with 7-inch TFT color screen and dot matrix screen

User Manual

File Version: V22.10.25



SY0293 using the standard ,easy access to PLC, DCS and other instruments or systems for monitoring PM2.5,PM10,wind speed,conductivity,temperature,humidity,carbon dioxide,atmospheric pressure,rainfall state quantities.The internal use of high-precision sensing core and related devices to

ensure high reliability and excellent long-term stability, can be customized
RS232, RS485, CAN, 4-20mA, DC0~5V\10V, ZIGBEE, Lora, WIFI, GPRS and other output methods.

Technical Parameters

Technical parameter	Parameter value
Brand	SONBEST
PM2.5 range	0~999ug/m3
PM2.5 accuracy	±15% or ±10ug/m3 max @25℃
PM10 range	0~999ug/m3
PM10 accuracy	±15% or ±35ug/m3 max @25℃
Wind speed range	0~30m/s
Start wind	0.2m/s
Wind speed accuracy	±3%
Shell material	aluminum
Wind direction range	0~360°
Wind direction resolution	22.5°
Temperature measuring range	-30℃~80℃
Temperature measuring accuracy	±0.5℃ @25℃
CO2 range	0~5000ppm
CO2 accuracy	±100ppm
Atmospheric pressure range	30~110kpa
Atmospheric pressure accuracy	±0.5%
Rainfall range	0.01mm~4mm/min
Rainfall Resolution	0.01mm~4mm/min
Rain inlet size	φ 200mm
Rainfall Sharp edge	40°~45
Rainfall accuracy	±3%
Running temperature	-30~85℃

Product Selection

Product Design RS485, DC12-24V Multiple output methods, the products are divided into the following models depending on the output method.

Product model	output method
SY0293B	RS485 总线

In the case of broken wires, wire the wires as shown in the figure. If the product itself has no leads, the core color is for reference.

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