SY0295

TFT color screen version multi-parameter small meteorological station

station

User Manual

File Version: V23.4.10

SY0295 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

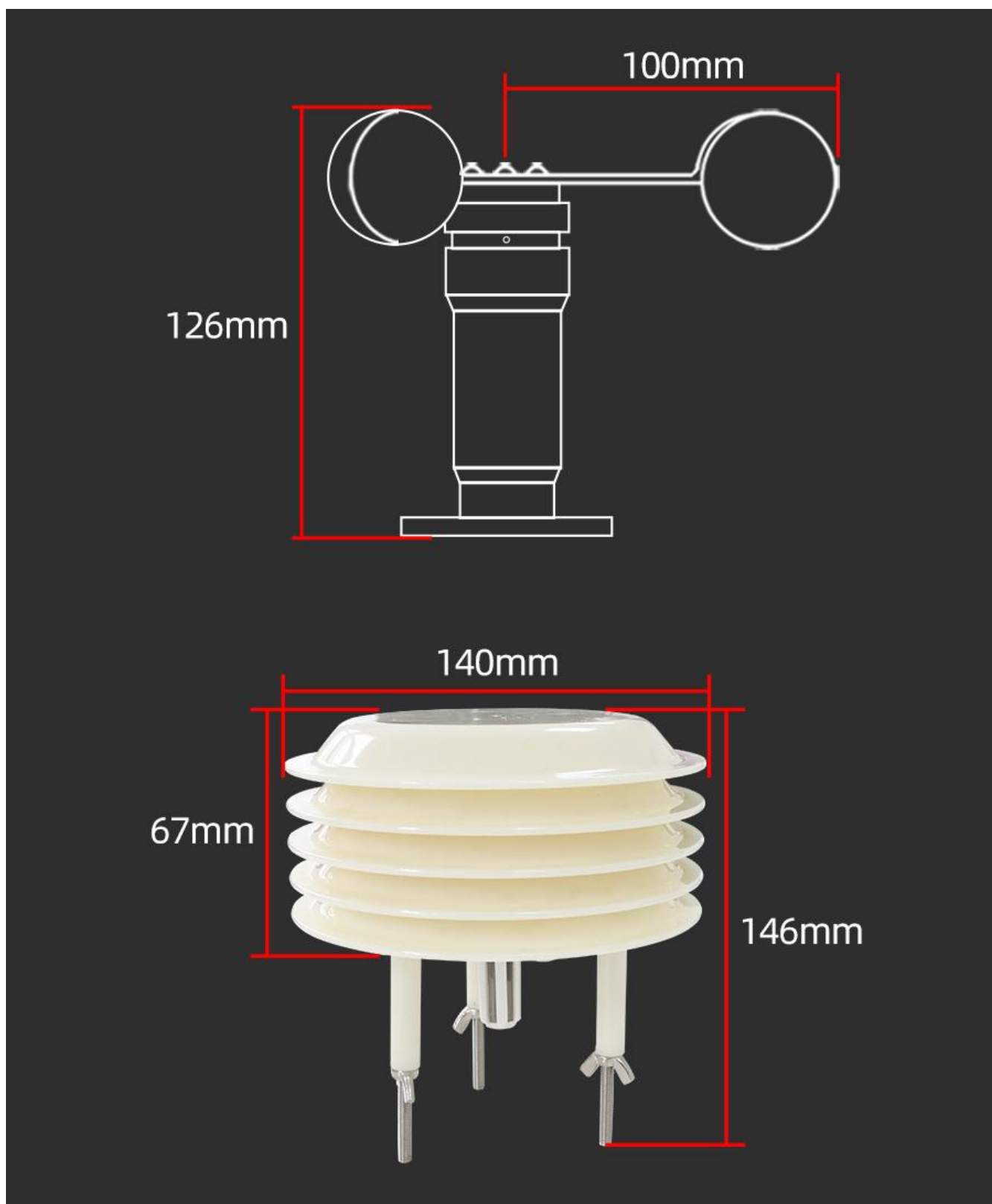| Technical parameter	Parameter value
Brand	SONBEST
PM2.5 range	0~999ug/m3
PM2.5 accuracy	±15% or ±10ug/m3 max @25℃
PM10 range	0~999ug/m3
PM10 accuracy	±15% or ±35ug/m3 max @25℃
Wind speed range	0~30m/s
Start wind	0.2m/s
Wind speed accuracy	±3%
Shell material	aluminum
Wind direction range	0~360°
Wind 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	Φ200mm
Rainfall Sharp edge	40°~45
Rainfall accuracy	±3%
Running temperature	-30~85℃

Product Selection

Product DesignRS485,DC12-24VMultiple output methods, the products are divided into the following models depending on the output method.

Product model	output method
SY0295B	RS485 总线

Product Size

ø210mm

450mm

35mm

ø4.5mm

R=92mm

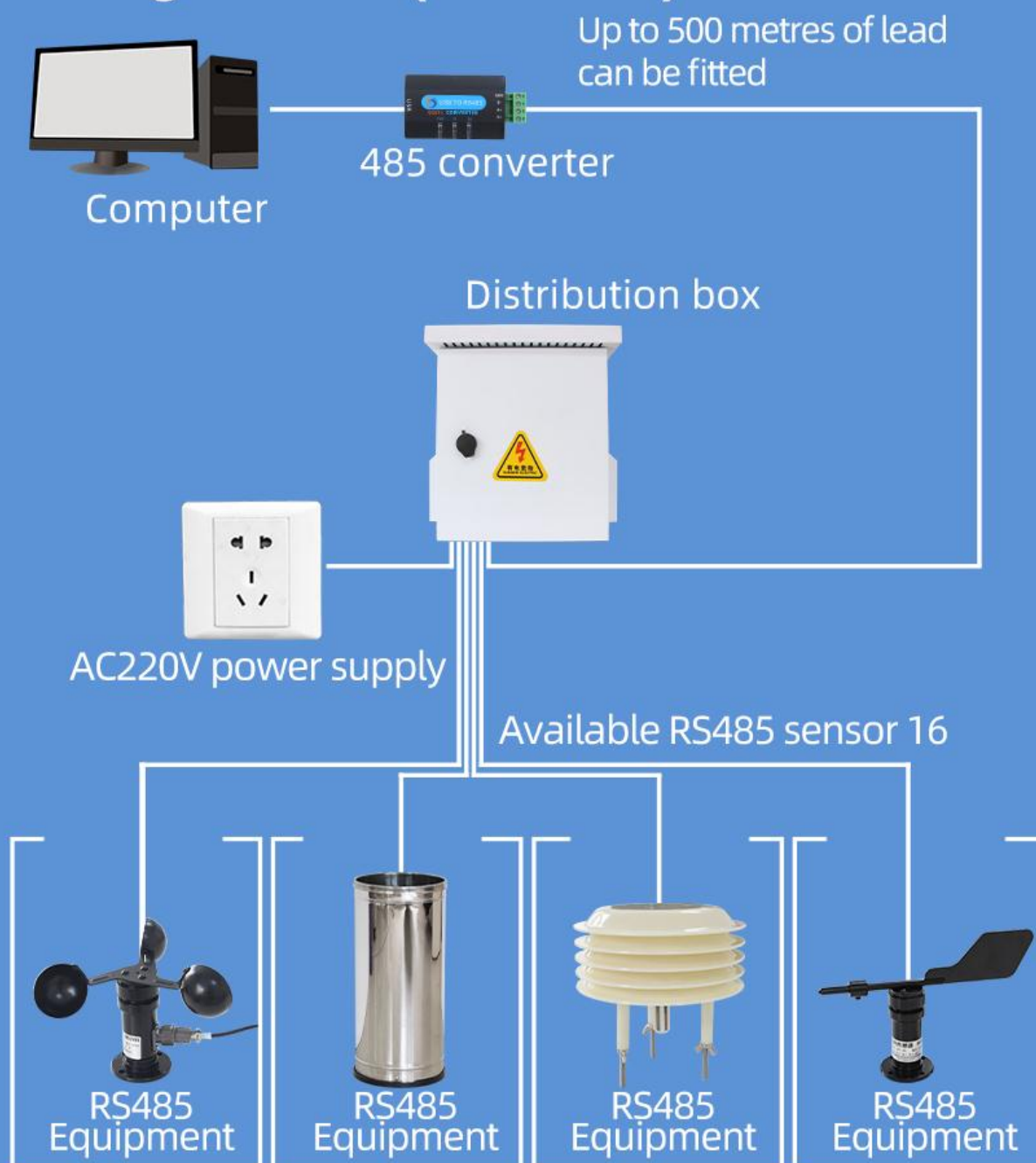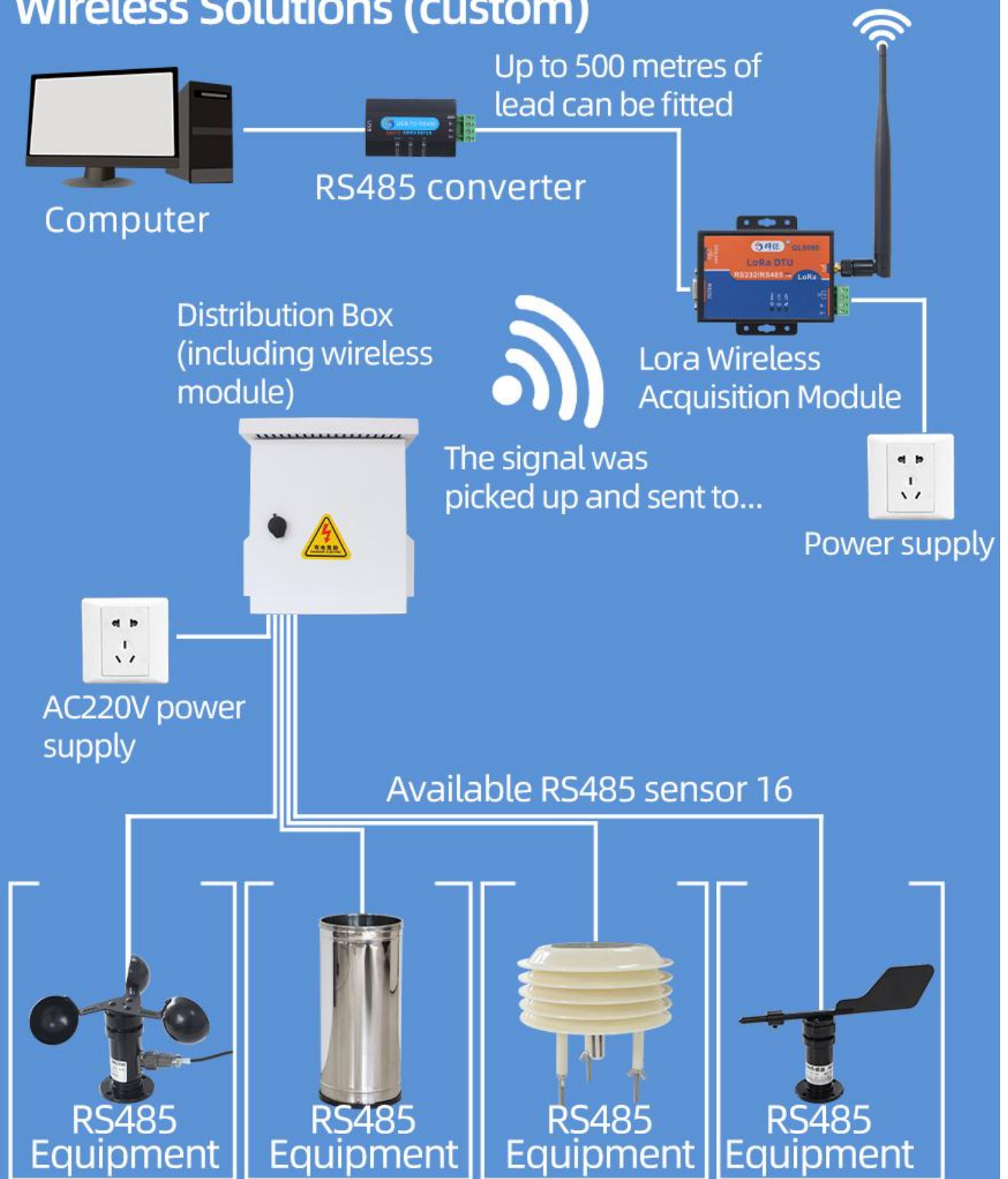Virtual Circle at the bottom

235mm

165mm

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.

Application solution

Wireless Solutions (custom)

Computer

RS485 converter

Up to 500 metres of lead can be fitted

Lora Wireless Acquisition Module

Distribution Box (including wireless module)

The signal was picked up and sent to...

Power supply

AC220V power supply

Available RS485 sensor 16

RS485 Equipment

RS485 Equipment

RS485 Equipment

RS485 Equipment

How to use?

Multi-parameter small weather station can be widely used in weather station, transport terminal, construction site, forestry, grassland pasture and other occasions

Product List

Distribution Box
(for connecting RS485 sensors)

RS485 sensor
(combined according to user selection)

Warm Reminder card

Certificate

Disclaimer

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Contact Us

Company: Shanghai Sonbest Industrial Co., Ltd
Address:Building 8,No.215 North east road,Baoshan District,Shanghai,China
Web: http://www.sonbest.com
Web: http://www.sonbus.com
SKYPE: soobuu
Email: sale@sonbest.com
Tel: 86-021-51083595 / 66862055 / 66862075 / 66861077