

RK200-05 Solar Radiation Station is the integrated meteorological acquisition system with the function of solar radiation collection, storage, transmission and management. It is widely used in industrial and agricultural production, tourism, urban environmental monitoring and other fields. It consists of solar radiation sensor and meteorological data logger. The data is logger designed with functions of data built-in high capacity FLASH memory chips can store more than one year of meteorological data, and can easily establish a communication link with the computer through a variety of communication interfaces(RS232/RS485).The station can be equipped with RK200-03 or RK200-04 solar radiation sensor.

FEATURES

- High accuracy
- High reliability
- Large storage capacity
- Easy operation
- Good user interface



APPLICATIONS

- Meteorology
- Agriculture
- Construction materials aging monitoring
- Air pollution monitoring
- Solar energy

SPECIFICATIONS

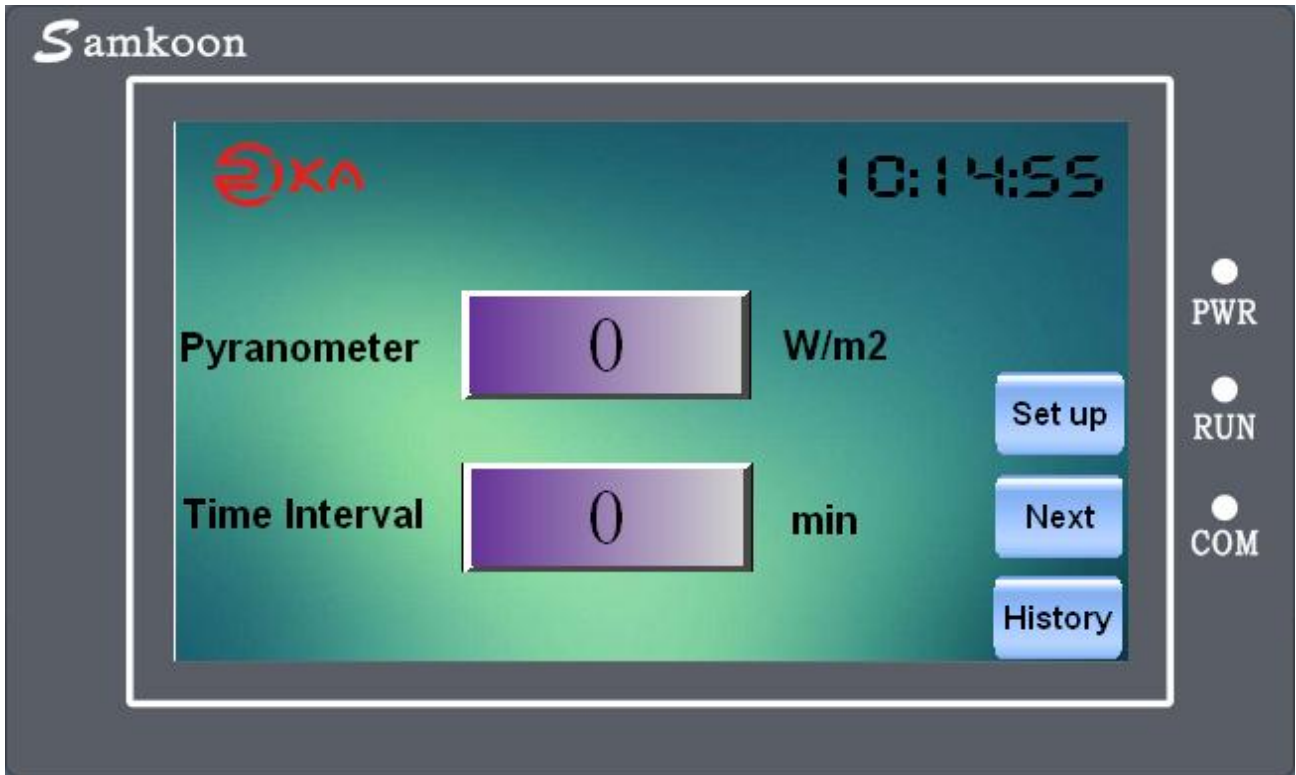
| Item | Specification |
|--------------------------------------|---|
| Spectral range | 300-1100nm (RK200-04), 300-3000nm (RK200-03) |
| Measure range | 0-1500W/m ² (RK200-04),0-2000W/m ² (RK200-03) |
| Supply | 12VDC (adapter AC110V-AC220V) |
| Accuracy | <5%(RK200-04), <3%(RK200-03) |
| Storage capacity ^① | 65000 pieces of data can be stored |
| Inter-record gap | 1min-240min adjustable |
| Display | 4.3" color touch screen |
| Communication interface ^② | RS232, RS485 optional |
| Measurement parameters | 32 Max. |
| Power consumption | <4W |
| HMI processor | ARM RISC 528MHz |
| Operating temperature | -40°C-+75°C@5%-95%RH |

① If you setting the time interval 1 minute, it can record 65000/60/24=45 days, if you setting the time interval 1 hour, it can record 65000/24/365=7.4 years. About the data logger, usually setting the time interval is 1 hour.

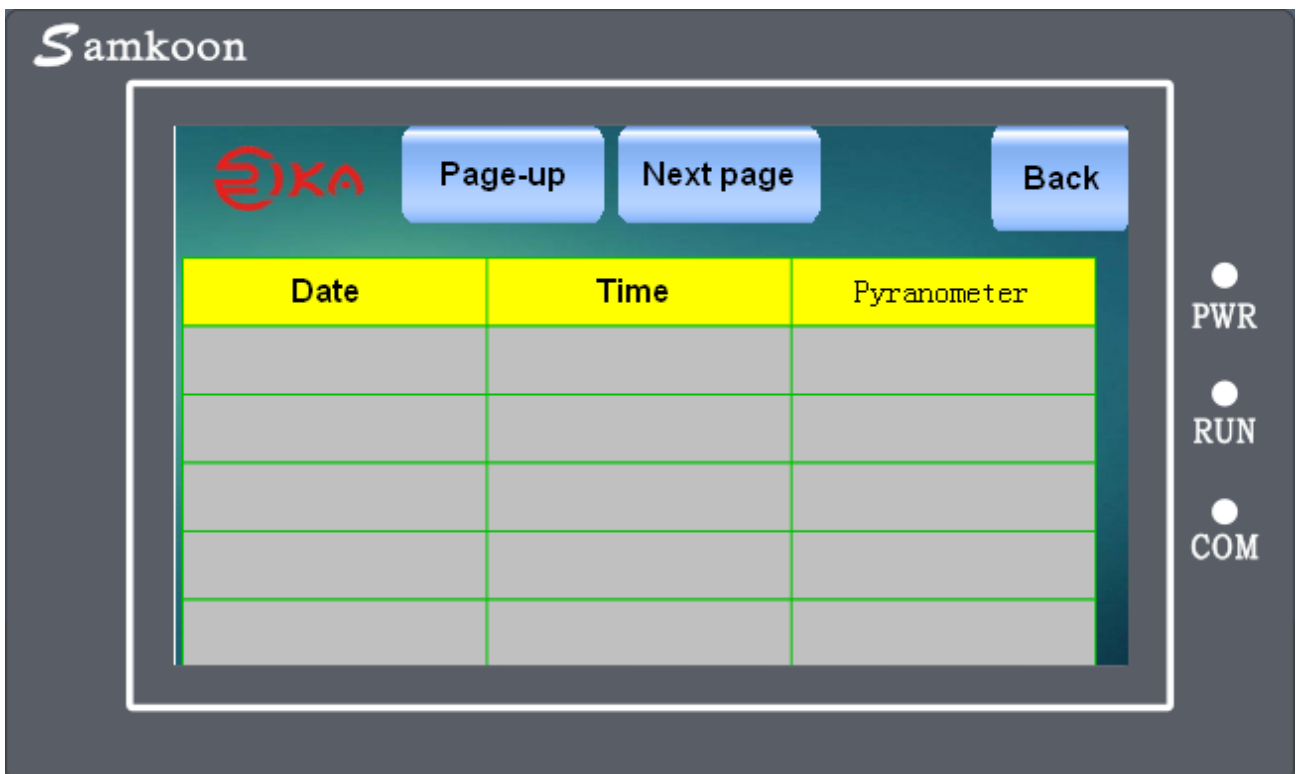
② Ethernet, WIFI, GPRS is optional.

INTERFACE DESCRIPTION

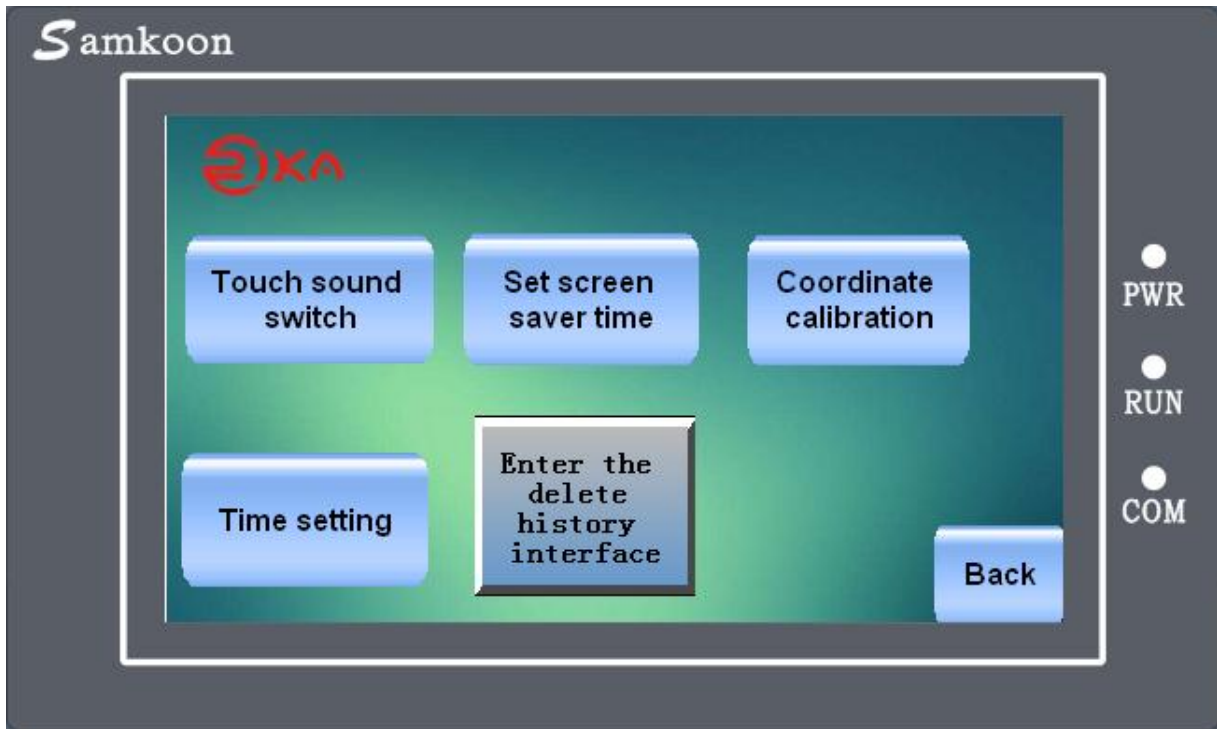
Real-time data display interface



Historical data display interface



Set interface



PARAMETER SELECTION TABLE

| Remark | Series | Type | Sensor | Cable Length | |
|--------|--------|------|--------|--------------|----------------|
| RK | | | | | |
| | 200 | | | | |
| | | 05 | | | |
| | | | A | | RK200-03 |
| | | | B | | RK200-04 |
| | | | | 2500 | Units:mm (typ) |
| | | | | 3000 | Units:mm |
| | | | | ... | Units:mm |

Example: RK200-05A2500 Sensor: RK200-03, Cable Length:2.5m.

CE Complies with applicable CE directives.

Specifications subject to change without notice. Version 3.0

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