

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. 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

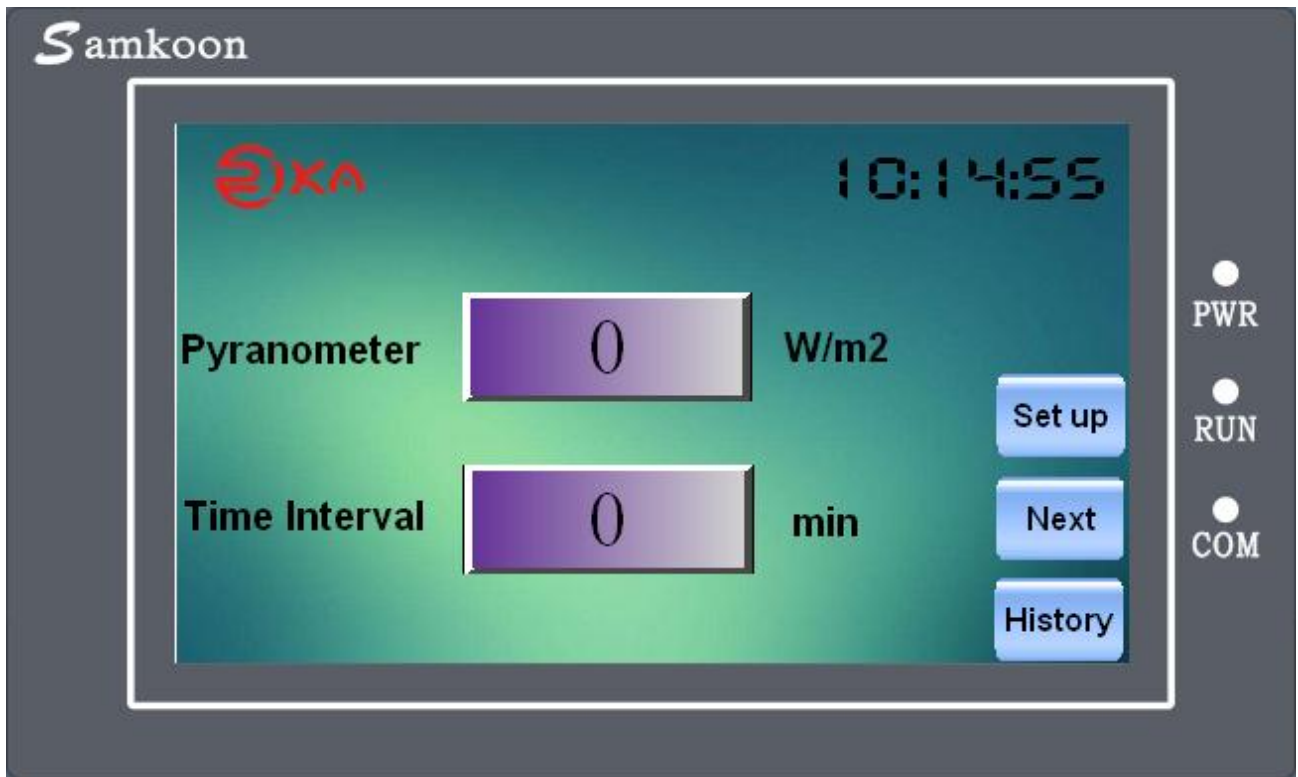
## SPECIFICATIONS

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

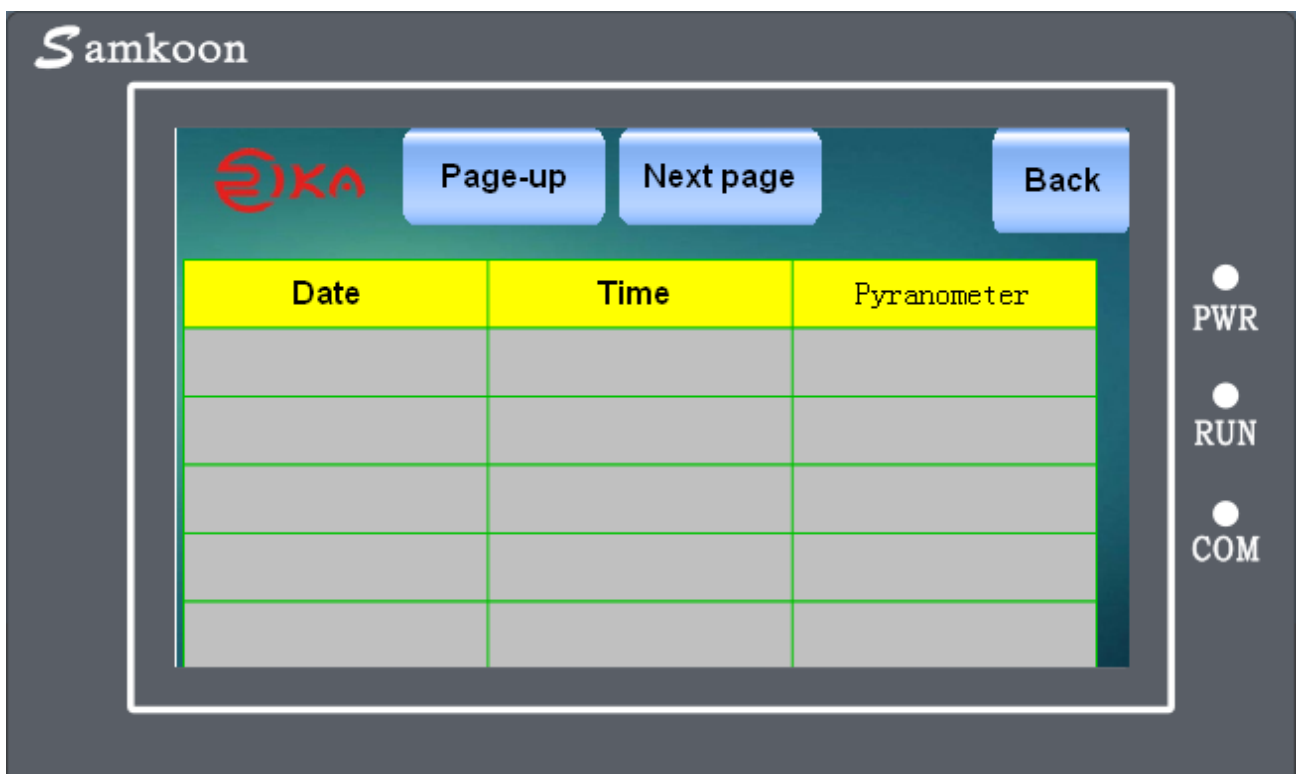
① If you setting the time interval 1 minute, it can record 65000/60/24=45 days, if you setting the time interval 1 hour, it can record 65000/24/365=7.4 years. About the data logger, usually setting the time interval is 1 hour.

**INTERFACE DESCRIPTION**

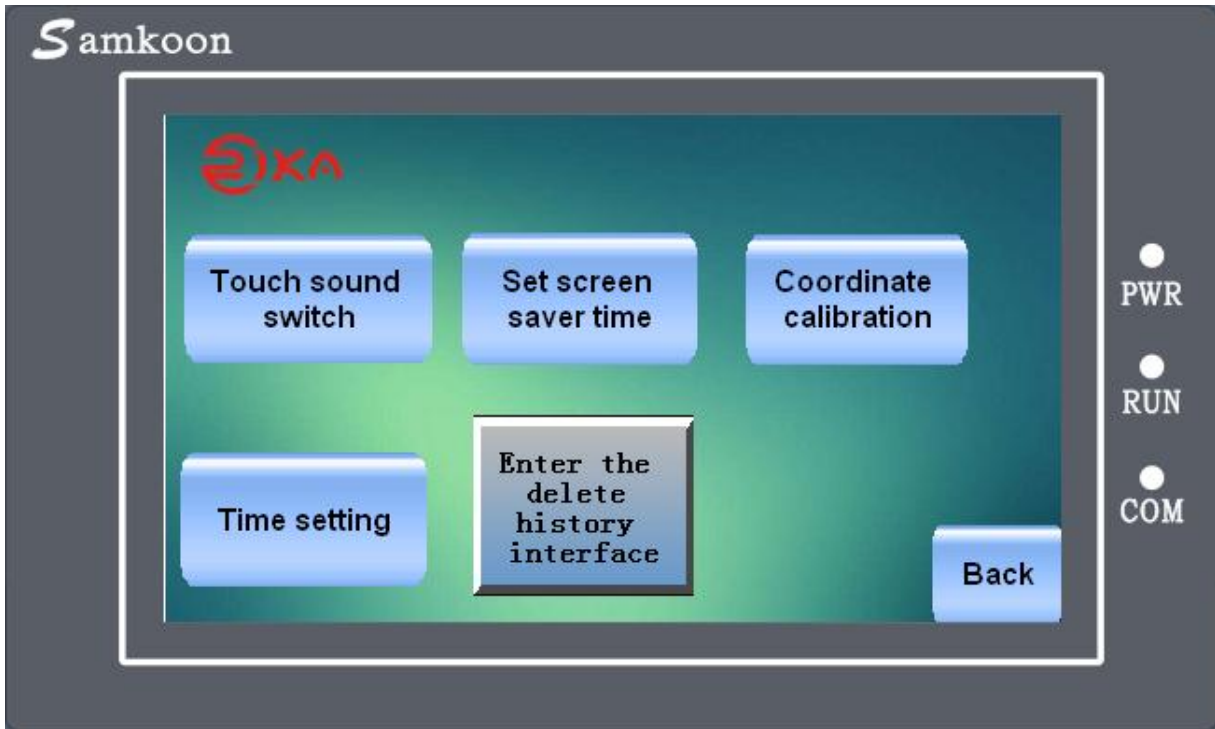
Real-time data display interface



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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