USB Humidity and Temperature Data Logger with Build-in IRT

Model: KC-320C

Operation Manual

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Introduction

KC-320C USB humidity and temperature data logger is designed to record room temperature and humidity of places such as warehouses and computer rooms. The build-in IRT is designed to measure object's surface temperature. The logger automatically keeps tracking temperature and humidity variations daily; and record both readings according to the rate set by users. Real time ambient temperature/humidity readings, IRT readings and recording status will be displayed on the LCD. The portable size and user friendly interface makes it easy to use and install.

Features

1、Real time ambient temperature/humidity and recording status will be displayed on the LCD screen; Measurement range: temperature: -20℃-70℃; Humidity: 0-100%RH；

2、Measure surface temperature using the build-in infrared thermometer, Measurement range: -20℃-250℃；

3、Internal EERROM memory, tracks and records 16000 groups of temperature and relative humidity readings or 10500 sets of temperature、humidity and IRT temperature for as long as 12 months. User can download the data via included software；

4、Data transmission via USB link.

5、Using the included software, users are allowed to set up alarm limitation, measuring units, recording time interval .etc

6、The device could check the real time after connecting to the computer；

7、The included software also supports data analysis, recorded data can be exported into a .txt file for further analysis. Recorded temperature and humidity readings can be displayed in a curve graph which can be printed and archived as well.

8、With the include CD, user can review the environment temperature, relative himidity, dew point, wet bulb temperature, GPP .etc, also have analysis curve lines；

Technical specification

Product name		USB Humidity and Temperature Data Logger with Build-in IRT
Model		KC-320C
Display Means		LCD display
Material		ABS engineering plastic housing, safe and reliable
Temperature	Range	-20℃~70℃(-4℉～158℉)
	Resolution	0.1℃
	Precision	±0.3℃
Humidity	Range	0-100%RH
	Resolution	0.1%RH
	Precision	±2%RH (10-90%RH)；±3%RH (0-10%RH、90-100%RH)
Temperature	Range	-20℃-250℃(-4℉～482℉)
	Resolution	0.1℃
	Precision	±3℃(±5.4℉)
	Max laser output power	<1mW
	Laser wavelength	630-660nm
	D:S	2：1
	Emissivity	0.95
Data interface		USB 1.0/2.0
Software		Included
Power supply		DC3.6V/1200mAh lithium battery（1/2AA）
Working current		<1mA (close the laser);<20mA（open the laser）
Recommended usage environment		In places with standard atmospheric pressure and no high power EMF
Operating temperature		-20℃~70℃(-4℉～158℉)
Working humidity		0-100%RH non-condensing
Storage Condition		-20℃～70℃(-4℉～158℉)，≤85%（w/o battery）
Size		125×43×24（mm）
Weight		About 50g（Stand included and battery not included）