

Thermo-Hygrometer

Model: KC-321C

User's Manual



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Introduction

The KC-321C Thermo-Hygrometer equipped with advanced sensor technology is used to measure environmental parameters of storage and production warehouses. It measures ambient temperature and humidity, wet bulb and dew point temperature with MAX/MIN data hold and temperature unit switch capability.

The unit adopts smart low power consumption design, with backlit LCD display and data hold. This handheld unit is portable, easy and safe to use, with fast response time.

The external temperature probe is used to measure object's surface and internal temperature. These readings can be used to calculate surface condensation point.

The KC-321C Thermo-Hygrometer is widely used in multiple applications: food storage and transport, antique preservation, file management, building material experiment, agriculture, forestry, stock raising, building inspection, medical hot zone, pipe/HVAC system repair, computer rooms, etc.

Technical specification

Product Name	Thermo-Hygrometer
Model	KC-321C
Measuring Range: Ambient temperature T1	-10°C ~ 50°C
External probe temperature T2	-10°C ~ 70°C
Humidity	0 ~ 99.9%
Accuracy: Temperature	±1°C
External probe temperature	±1.5°C
Humidity	5% ~ 95% ± 3% (25°C)
Resolution: Temperature	0.1°C
Humidity	0.1%
Default temperature unit	°C
Response Time	<80s
Backlight Auto off	About 10s
Auto Power off	About 20 minutes (Auto power off mode)
Accessory	An external temperature probe
Power Resource	one 9V block battery (6F22/6LR61)
Working Current	<25mA
Operating temperature	0°C ~ 40°C
Working humidity	5% ~ 95% RH non-condensing
Storage Condition	-30 ~ 60°C, <85% RH (w/o battery)
Size	192mm × 61mm × 31mm
Weight	About 107g (w/o battery)