**Digital Thermohygrometer (guide for a comfortable environment)
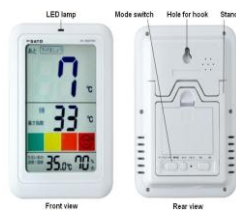PC-5500TRH**

Model

PC-5500TRH

This is a digital thermohygrometer that measures temperature and humidity. The unit display
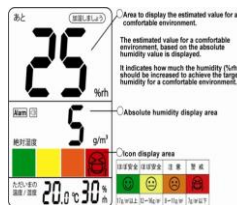estimated values of temperature or humidity to achieve a comfortable environment.

Features

* The estimated value for comfortable environment is displayed
* Absolute humidity that gives indication for the prevention of seasonal influenza is displayed
* The WBGT index that is useful to prevent heatstroke is also displayed
* Influenza mode and Heatstroke mode are selectable by the mode switch
* The LED light and the buzzer sound are used to alert the alarm status
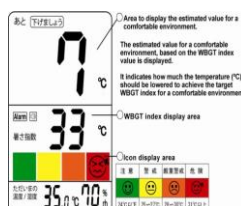* Two installation methods: The unit can be installed on a desk or wall

Influenza mode

* Displays the absolute humidity used as a guideline for preventing seasonal influenza
* Estimated value to achieve the target value for comfortable environment is displayed.
  The unit displays how much the humidity (%rh) should be increased for comfortable
  environment

* Color icons show the warning levels depending on the absolute humidity
* The target value for a comfortable environment is set to 10g/m3, regardless of temperature.
  The absolute humidity of 10g/m3 is in the "Caution" status for influenza.
  The drawbacks of increasing the humidity include condensation or mold in a room.
  Use the value as a guideline depending on your applications and surrounding.
* If absolute humidity is 10g/m3 or more, the estimated value for a comfortable environment
  is displayed as 0%rh

Heatstroke mode

* The unit displays by how much the temperature should be increased for
  preventing heatstroke
* The estimated value to achieve the value for a comfortable environment is displayed
  depending
  on the WBGT index The unit displayed by how much the temperature should be lowered
  for a
  comfortable environment.
* Color icons show the ambient status depending on the WBGT index.
* The target WBGT index for a comfortable environment is set to 27°C, regardless of
  humidity.
  The WBGT index of 27°C is in the "Warning" status for heatstroke.
  When doing vigorous exercise, there is still a risk of heatstroke even in a comfortable
  environment.
  Use the value as a guideline depending on your application and surrounding.
* If the WBGT index is 27°C or less, the estimated value for a comfortable environment is
  displayed as 0°C

Specifications

Product	Digital Thermohygrometer (guide for a comfortable environment)	
Catalog No.	1051-00	
Model	PC-5500TRH	
Measuring range	Temperature	0.0 to 50.0°C
	R. Humidity	20 to 95%rh
	Absolute humidity	1 to 65g/m³ (calculated)
	WBGT index	0 to 50°C (calculated)
Measuring accuracy	Temperature	±1.0°C (at 10 to 40°C) ±1.5°C (at other range)
	R. Humidity	±5%rh (at 20 to 30°C/40 to 70%rh) ±8%rh (at other range)
Resolution	Temperature	0.1°C
	R. humidity	1%rh
	Absolute humidity	1g/m³
	WBGT index	1°C
Sampling (Display update)	about 30 sec.	
Sensing element	Temperature	thermistor
	Humidity	Electric resistance change type humidity sensor
Operation ambient	0 to 50°C (lower than 95%rh (no freeze or condensing)	
Storage ambient	-10 to 50°C (no freeze or condensation)	
Power requirement	3 AAA size batteries	
Battery life	approx. one year (in use of alkaline battery, one alarm operation per day)	
Materials	ABS resin, acrylic resin	
Dimensions	approx. (W)120 x (H)170 x (D)25mm	
Weight	280g (includes battery)	
Accessories	AA batteries (*one is set in a unit at our factory) English manual	