

Electric thermohygrometer ST-50A



Basic model capable of long-term recording for up to 6 months

The best-selling humidity thermograph recorder equipped with an electronic sensor. Recording on highly reliable recording paper is popular at a variety of manufacturing sites and laboratories for pharmaceuticals, chemical products, resins, semiconductors, electrical equipment, etc. Our products are also used in art galleries and museums to record the storage environment of works that are sensitive to moisture.

- ◆ Records up to 6 months on recording paper
- ◆ Easy-to-read digital display
- ◆ Powered by batteries or AC adapter, can be installed anywhere
- ◆ Itrade Recording and management of temperature and humidity environments in clean rooms, animal breeding rooms, product warehouses, art galleries, museums, etc.

Product name: Electric thermohygrometer ST-50A



- ▶ Long-term continuous recording Continuous recording for up to 6 months is possible with alkaline batteries. This saves you the trouble of frequently replacing recording paper.
- ▶ Long-term stable measurement Adopts an electronic sensor with excellent long-term stability.
- ▶ Sensor cable extension The sensor cable can be extended up to 50m. Can be used for various purposes.
- ▶ The sensor can be easily calibrated by operating the user calibration key. Highly responsive sensors can significantly reduce calibration time.
- ▶ environmentally friendly products



measurement method	temperature: Humidity:	semiconductor sensor polymer capacitive sensor
measurement range	temperature: Humid:	-20~50℃ / -4~122°F -20 to 80℃ (when using sensor extension cable) 20~90%RH (no condensation) 0 to 100%RH (using sensor extension cable, no condensation)

Display (LCD)	solution temperature: Humidity: Others: Dew point :Absolute humidity :LCD display	0.1°C / 0.1°F 0.1%RH -20~80°C / -4~176°F 0~100%RH (-80~80°C / -112~170°F) (0~290g/□) Battery checker, chart speed, setup mode, etc.
recording (chart format)	chart paper working width feeding Feed accuracy	Z-fold type, 12m/39.37ft (length) 113mm/4.44in (width) 100mm (3.93 inches) records both temperature and humidity sprocket ±3 mm / 0.12 inch (at 12m / 39.37 feet. Long time recording)
accuracy	temperature humidity	±1.0°C/32-122°F at 0-50°C ± 3% RH (at 25°C/77°F) *The guaranteed accuracy range for humidity is 10 to 90%RH.
calibration	temperature humidity	1 point 1 or 2 points
Recording range	user selectable ①②③ With switch	*temperature ①-20~80°C / -4~176°F ②0~50°C / 32~122°F ③±10°C, ±25°C, ±25°F, or 50°F *Humidity ①0~100%RH ②±10%RH or ±25%RH
environment conditions	ambient temperature humidity	-20~50°C / -4~122°F 20~90%RH (no condensation)
force requirements	battery AC adapter socket	LR20, 1.5V x 4 pieces Input 9V 500mA
size weight	Width x height x depth (mm/inch), kg, lbs (without battery)	300 x 245 x 105 mm/11.8 x 9.6 x 4.1 inch, 2.1kg 4.6lb
Other features		Desktop or wall socket (2 holes) 3mm (0.13 inch) markings on temperature/humidity records Automatic adjustment of pen position or adjustment by switch
Standard accessories		LR20, 1.5Vx4 1 piece chart paper 1 piece blue/red fiber pen
Optional accessories		sensor extension cable (5m/16.40ft, 20m/65.62ft, 50m/164.04ft) Recording paper (5 sheets/box) Chart pens (2 blue, 2 red)/box

-Functions and specifications are subject to change without notice.



	Product name	model number	explanation
optional accessories	Extension cable 5m	HE04	
	Extension cable 20m	HE05	
	Extension cable 50m	HE06	
	Alarm unit (alarm threshold signal output)	HE09	Common output of temperature/humidity upper and lower limit set values for 4 points
	sensor probe	HEAA	
	Sensor probe (for China)	HEAC	
consumables	normal recording paper	Hega	5 pieces/set
	Regular recording paper (for China)	HEGC	5 pieces/set
	Clean chart paper (for clean rooms)	HE11	5 pieces/set
	cartridge pen	HEFA	Red 2pcs & Blue 2pcs/set
	Cartridge pen (for China)	HEFC	Red 2pcs & Blue 2pcs/set