

ST-50A/ ST-50M Electric Hygro-Thermograph

- Durable for 6 months continuous recording with batteries (LR20 x 4)
- Electrical temperature and humidity sensor provides accurate measurement
- Wide range recording (-20°C to 80°C/ -4 to 122°F)
- Digital display
- Remote monitoring as far as 50m away with an optional extension cable
- Alarm is available as optional accessory



Specification		ST-50A	ST-50M
Model:		ST-50A	ST-50M
Measuring Methods	Temperature:	Semiconductor Sensor	
	Humidity:	High Molecular Electrostatic Capacity Sensor	
Measuring Ranges	Temperature:	-20 to 50°C/ -4 to 12°F, -20 to 80°C/-4 to 176°F (with sensor extension cable)	
	Humidity:	20 to 90%RH (no condensation), 0 to 100%RH (with sensor extension cable, no condensation)	
Display	Resolution:	0.1°C/ 0.1°F 0.1%RH	
	Temperature:	-20 to 80°C/ -4 to 176°F	
	Humidity:	0 to 100%RH	
	Others: Dew point	-80 to 80°C/ -112 to 176°F	
	: Absolute Humidity	0 to 290g/m ²	
	: Time	----	Year, Month, Date, Time (24hours)
	: LCD Display	Battery Checker, Chart Speed, Setup Mode, etc	Battery Checker, Alarm, Chart Speed, Setup Mode, etc
Recording (Chart form)	Chart Paper	Z-Fold Type, 12m/ 39.37 feet (Length) 113mm/ 4.44inch (Width)	
	Working Width	100mm (3.93 inch) for record both Temperature and Humidity	
	Feeding	Sprocket	
	Feeding Accuracy	±3mm/ 0.12inch (at 12m/ 39.37 feet. Long Recording)	
Accuracy	Temperature	±1.0°C/ ±1.8°F at 0 to 50°C/ 32 to 122°F	
	Humidity	±3%RH (at 25°C/77°F) *Accuracy Guarantee Range on Humidity is 10 to 90%RH	
Calibration	Temperature	1 Point	
	Humidity	1 or 2 Point	
Recording Range	User Selectable among 1, 2, 3 with switch	Temperature	Humidity
		1. -20 to 80°C/-4 to 176°F	1. 0 to 100%RH
		2. 0 to 50°C/ 32 to 122°F	2. ±10%RH or ±25%RH
		3. ±10°C, ±25°C, ±25°F, or 50°F	
Environment Conditions	Ambient Temperature	-20 to 50°C/ -4 to 122°F	
	Humidity	20 to 90%RH (No Condensation)	
Storage	Storage Media	---	SD CARD (128MB to 2GB) *1
	Capacity of recording	----	Maximum 16 months (recording per 1 minutes)
Power Requirement	Battery	LR20, 1.5V x 4 pcs	
	AC Adaptor Inlet	Inlet 9V 500mA	
Dimension	W x H x D (mm/inch)	300 x 245 x 105mm/ 11.8 x 9.6 x 4.1 inch,	
Weight	Kg, lbs (without battery)	2.1kg, 4.6lbs	
Other features		Desk or Wall Mount Socket (2 holes) 3mm (0.13inch) marking on Temperature/ Humidity Recording Pen Position Adjustment Automatically, or with Switch	
Standard Accessories		LR20, 1.5V x 4, 1Pcs Chart Paper 1Pcs Blue/ Red Fiber Tip Pen, 220V AC adapter	

*1: This SD recorder is not supported SDHC format (4 GB or more)

Optional Accessories

Sensor Extension Cable (5m)	HE04	Chart Paper	HE0140010
Sensor Extension Cable (20m)	HE05	Chart Pen	HE13 (2 Blue \$2 Red pens)/ box
Sensor Extension Cable (50m)	HE06	Output alarm relay	HE09

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