

# SEKONIC

Electric Hygro-Thermograph

# ST-50A

B0951

**NEW**

CE / RoHS complied



High Reliability

Long term continuous recording

### APPLICATIONS

**Wherever you need manage,  
measure, control  
Temperature & Humidity...**

- \* R&D
- \* PRODUCTION CONTROL
- \* QUALITY CONTROL
- \* FIELD MONITORING
- \* LABORATORIES
- \* STORAGE CONTROL etc...

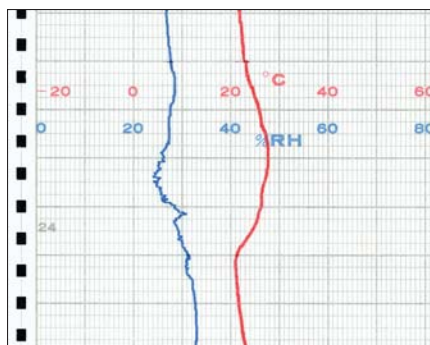
#### <Example>

Pharmaceutical Industry  
Food Processing Industry  
Chemical Industry  
Museum Fine Arts Gallery  
Warehousing, Stockyard etc...

Put On Anywhere if You Want !

### MAIN FEATURES

- \* Record Temperature and Humidity on Chart form (W:100mm x L : 12m) at site



<Sample>

- \* Electrical Temperature and Humidity sensor provides accurate measurement
- \* Durable for 6 months continuous recording with batteries (LR20 x 4)
- \* Strong Against Vibration
- \* Wide Range Recording  
(-20°C to 80°C / -4 to 122°F)

Measurement Methods	Temperature : Humidity :	Semiconductor Sensor High Molecular Electrostatic Capacity Sensor
Measurement Ranges	Temperature : Humidity :	-20 to 50°C / -4 to 122°F -20 to 80°C / -4 to 176°F (with sensor Extension Cable) 20 to 90%RH (No Condensation) 0 to 100%RH (with Sensor Extension Cable, No Condensation)
Display (LCD)	Resolution Temperature : Humidity : Others : Dew Point : Absolute Humidity : LCD Display	0.1°C / 0.1°F 0.1%RH -20 to 80°C / -4 to 176°F 0 to 100%RH (-80 to 80°C / -112 to 170°F) (0 to 290g/m <sup>3</sup> ) Battery Checker, Chart Speed, Setup Mode, etc
Recording (Chart form)	Chart Paper Working Width Feeding Feeding Accuracy	Z-Fold Type, 12m / 39.37feet (Length) 113mm / 4.44inch (Width) 100mm (3.93inch) for record both Temperature and Humidity Sprocket ± 3mm / 0.12inch (at 12m / 39.37 feet. Long Recording)
Accuracy	Temperature Humidity	±1.0°C / ±1.8°F at 0 to 50°C / 32 to 122°F ± 3%RH (at 25°C / 77°F) *Accuracy Guarantee Range on Humidity is 10 to 90%RH
Calibration	Temperature Humidity	1 Point 1 or 2 Point
Recording Range	User Selectable among ①②③ with Switch	*Temperature ①-20 to 80°C / -4 to 176°F ②0 to 50°C / 32 to 122°F ③±10°C, ±25°C, ±25°F, or 50°F *Humidity ①0 to 100%RH ②±10%RH or ±25%RH
Environmental Conditions	Ambient Temperature Humidity	-20 to 50°C / -4 to 122°F 20 to 90%RH (No Condensation)
Power Requirement	Battery AC Adaptor Inlet	LR20, 1.5V x 4pcs Input 9V 500mA
Dimension Weight	W x H x D (mm / inch), kg, lbs (Without Batteries)	300 x 245 x 105mm / 11.8 x 9.6 x 4.1 inch, 2.1kg 4.6lbs
Other Features		Desktop or Wall Mount Socket (2 holes) 3mm (0.13 inch) marking on Temperature / Humidity Recording Pen Position Adjustment Automatically, or with Switch
Standard Accessories		LR20, 1.5V x 4 1 Pcs Chart Paper 1 Pcs Blue / Red Fiber Tip Pen
Option Accessories		Sensor Extension Cable (5m / 16.40feet, 20m / 65.62feet, 50m / 164.04feet) Chart Paper (5 Sheets / Box) Chart Pen (2 Blue & 2 Red pens) / Box

Features and Specifications are subject to change without notice.

## SEKONIC CORPORATION

7-24-14, Oizumi-Gakuen-cho, Nerima-ku, Tokyo, 178-8686, Japan

Phone: +81-3-3978-2335

Facsimile: +81-3-3978-5229

<http://www.sekonic.co.jp/english>

