

# Instruction Manual

## Psychrometer (Wet & Dry Bulb Thermometer) Model SK-1

Thank you for purchasing the Psychrometer Model SK-1.

- This product is designed to measure temperature and relative humidity indoors. Do not use it for other purposes.
- Read this manual thoroughly before using. Keep the manual in a safe place for future references whenever necessary.

### Specifications

Measuring range	:	-10 to 50°C
Min. Graduation	:	1°C
Materials	:	Body : ABS resin Reservoir : Polyethylene resin
Sensing liquid	:	Kerosene
Dimensions	:	260 (H) x 104 (W) x 28 (D) mm
Weight	:	0.12 kg

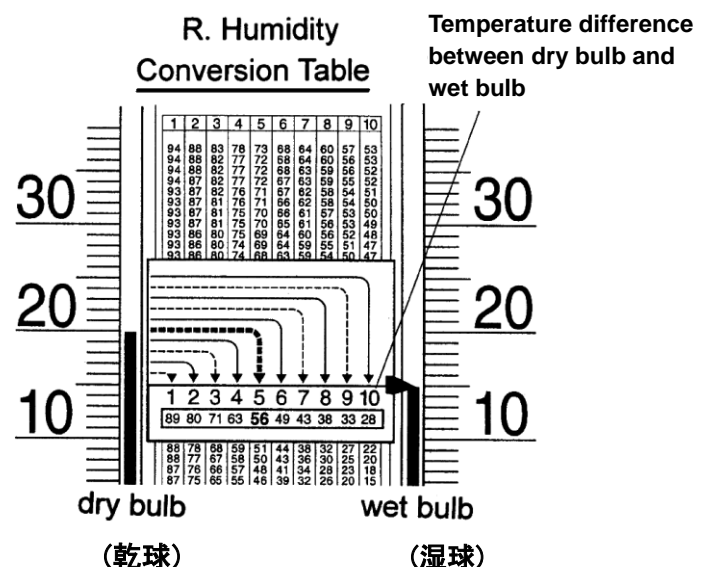
### How to determine the R. Humidity

Refer to the illustration.

When the wet bulb temperature indicates 15°C, match the right arrow mark (►) of the center sliding window with the 15°C of the wet bulb thermometer.

At this time, if the dry bulb temperature on the left indicates 20°C, ↴ mark which starts from 20°C will point at 56, meaning the R. humidity is 56%.

(Please follow the same methods in other temperature values.)



### Cautions

- Use this psychrometer within the measuring range. However, when you want to detect humidity, use the psychrometer within 0 to 40°C
- The psychrometer is delicately made. Be careful not to drop or apply impact to it.
- Fill the water reservoir with clean water all the time. Before the measurement, be sure to check that the gauze of the wet bulb is inserted into the water reservoir to let the gauze wet.
- When replacing the old gauze, use gauze made of cotton fiber without starch.
- The dry bulb thermometer on the left shows atmospheric temperature.

### Method for estimation of discomfort index

(Dry bulb temperature + Wet bulb temperature) x 0.72 + 40.6

\* At 20°C for dry bulb and 15°C for wet bulb temperatures: (20 + 15) x 0.72 + 40.6=65.8

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