



Portable Digital Thermo-hygrometer

Model TRH-CA series

The SHINYEI Model TRH-CA is a portable, battery-operated, thermo-hygrometer with many state of the art features. It measures relative humidity and temperature and has a large, three-line LCD that can be adjusted through a 120° viewing angle.

The TRH-CA also calculates and displays either dew point or wet bulb temperature.

The unit can be held in your hand, or attached to your belt or tripod for hands-free operation.

It will provide up to 40 hours of continuous operation on a 9-volt battery.



Sensor

The sensing element is Shinyei's proven bulk polymer resistive RH sensor. This sensor has negligible hysteresis, exceptional long-term stability, and a high degree of resistance to most contaminants. The Model TRH-CA allows the user to verify its accuracy and if necessary, recalibrate with two external pushbuttons-one for 33%rh and of for 75%rh. Sensor interchangeability is accomplished quickly and easily via a simple ROM replacement.

Feature

- * Potable unit with remote probe.
- * High accuracy with temperature compensation.
- * Hand-held or belt-attached operation.
- * Large, 3-line liquid crystal display.
- * Adjustable display angle
- * Simultaneous display of relative humidity, temperature and either dew point or wet bulb temperature.
- * Fast push button calibration.
- * Easy probe interchangeability
- * Carrying case with belt loop.

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Characteristics

Model	TRH-CA series
Humidity Sensor	Shinyei Humidity Sensor HPR-MQ
Temperature Sensor	Thermistor
Input Voltage	9 VDC battery, Auto power-off Continuous use for 40 hours.
Display	LCD = 3 lines Line 1 : %rh Line 2 : deg. C or F Line 3 : dew point or wet bulb temperature
Temperature Measurement Accuracy	+/-0.3deg. C (at 25deg. C)
Humidity Measurement Accuracy	+/-2%rh (at 25deg. C, from 35%rh to 90%rh)
Operating Temperature Range	-20 to 80deg. C (Sensor) 0 to 50deg. C (Electronics)
Operating Humidity Range	99.9%rh or less (Non-condensing)
Calibration	Auto-calibration at 33% and 75%rh via external switches
Carrying case	Vinyl leather with belt loop
Dimension	Body: 82mm x 175mm x 25mm Probe: 22mmφ x 215mm
Weight	0.5Kg
Shipping weight	1.0Kg
Standard accessories	Carrying case, Instruction manual, 9 VDC Battery

Ordering Information

Model	Descriptions
TRH-CA	Potable Thermo-hygrometer set
TRH-CA-B	Body only
THP-CA	Probe only

Remark; We have the right to revise specifications and product configurations without notice.

Caution for use

! Avoid condensation and drenching.

! Avoid application of the Humidity Sensor in the salt, inorganic gases and organic gases.



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