

# RTD Thermometer

## Features:

- CE-Mark approval
- Portability and simplicity one-hand operation
- Highly accurate thermometer
- Display back-light feature
- Reading HOLD & MAX function
- Attached with Pt385/100 $\Omega$  probe


**Model: 305**

## Applications:

- |                       |                         |
|-----------------------|-------------------------|
| ■ Greenhouse          | ■ Weather monitoring    |
| ■ Office environment  | ■ Art galleries/Museums |
| ■ Labs                | ■ Department store      |
| ■ Environment studies | ■ Workshops             |

## Specifications:

Display: 3½digit liquid crystal display (LCD) with a maximum reading of 1999.

Low battery indication: The "  " is displayed when the battery voltage drops below the operating level.

Measurement rate: 2.5 times/second.

Operating environment: 0°C to 50°C, <70% R.H..

Storage environment: -20°C to 60°C, 0 to 80% R.H. with battery removed from meter.

Accuracy: Stated accuracy at 23°C  $\pm 5^\circ\text{C}$ , <75% R.H..

According to temperature standard ITS-90.

Input Protection: 24V dc or 24V ac rms maximum input voltage on any combination of input pins.

Input Connector: Accepts standard miniature 3-prong connectors (flat blades spaced 7.9mm, center to center).

Dimensions: 156mm(H) x 65.5mm(W) x 35mm(D).

Weight: Approx. 195g. (including RTD probe and batteries)

## Electrical:

Temperature Scale: Celsius or Fahrenheit user-select-able

Measurement Range: -50°C to 200°C, -58°F to 200°F

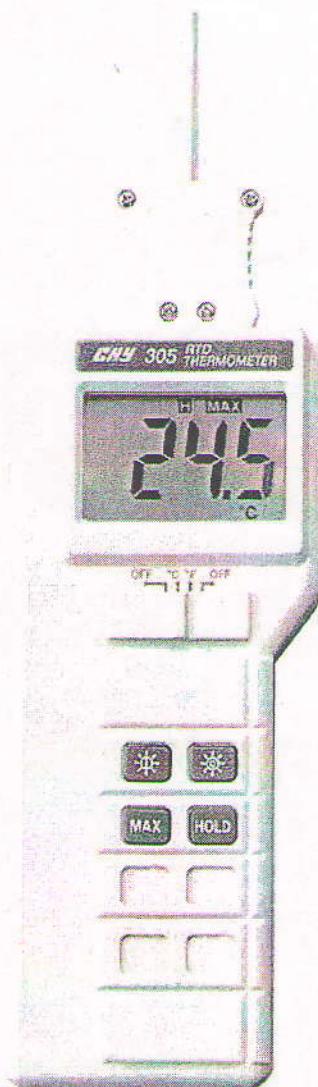
Resolution: 0.1°C, 0.1°F

RTD-type (Pt385/100 $\Omega$  RTD temperature sensor)

Accuracy: Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including RTD probe error.

$\pm 0.5^\circ\text{C}$  /  $\pm 1^\circ\text{F}$  on all ranges (only meter accuracy not include RTD probe accuracy.)

RTD Probe Accuracy:  $\pm 1^\circ\text{C}$ : on -50 °C to 100°C, -58 °F to 200°F  
 $\pm 1.5^\circ\text{C}$ : on 100 °C to 200°C



**CHY FIREMATE CO., LTD.**  
NO.3 SHENGJI 1ST STREET HSIN-TIEN VILLAGE  
JEN-TE HSIAO TAINAN HSIEN TAINWAN R.O.C

Tel: 886-6-2794811  
Fax: 886-6-2700227  
E-Mail: chy@ksts.seed.net.tw