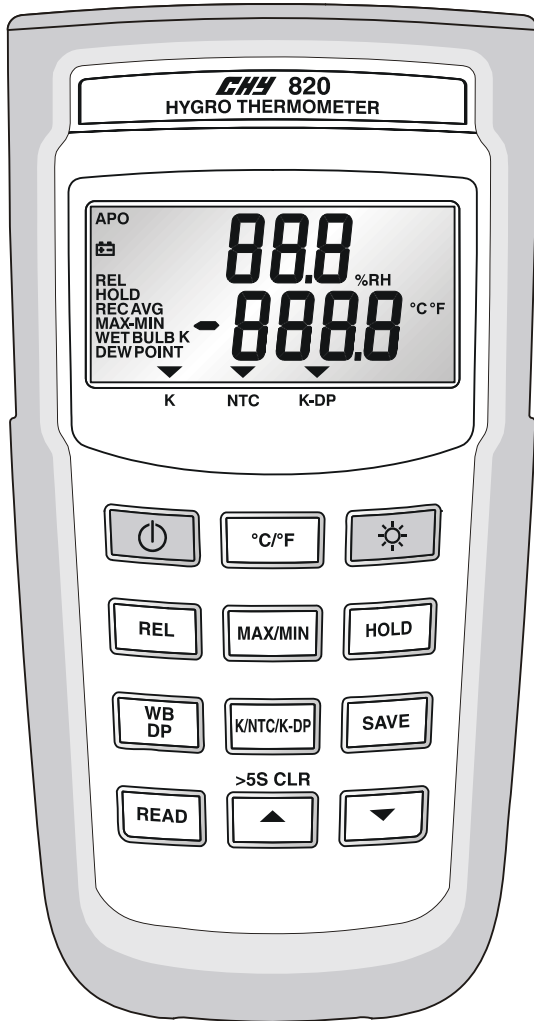
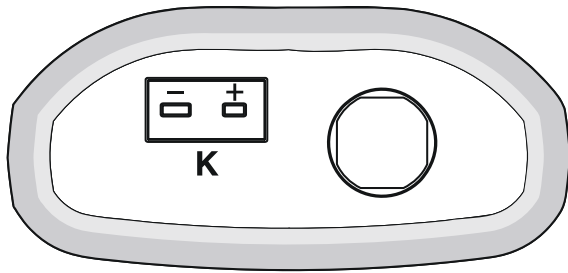


HYGRO THERMOMETER MODEL: 820



FEATURES:

Highly stable humidity measurement $\pm 2.5\%$.
 Processing %RH and temperature simultaneously.
 Two in one wide range thermometer and humidity function.
 Wet/Dry bulb, dew point and %RH.
 Easy switching between K/NTC/K-DP.
 Max/Min/AVG/REL/HOLD function.
 APO function.

SPECIFICATIONS

Display: 3 1/2 digit liquid crystal display (LCD) with a maximum reading of 1999.
 Polarity: Automatic, positive implied, negative polarity indication.
 Zero: Automatic.
 Low battery indication: The 'E' is displayed when the battery voltage drops below the operating level.
 Operating environment: 0°C to 50°C at <75% R.H.
 Storage temperature: -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.
 Battery: 1.5Vx4pcs AAA size.

TEMPERATURE RANGE

Range: -50°C to 1000°C, -50°F to 1832°F
 Accuracy:
 $\pm(0.1\% \text{rdg} + 1^\circ\text{C})$ on 50°C to 1000°C
 $\pm(0.1\% \text{rdg} + 2^\circ\text{F})$ on -50°F to 1832°F

TEMPERATURE

Sensor: Thermistor temperature sensor
 Range: 0°C to 60°C, 32°F to 140°F
 Resolution: 0.1°C/°F
 Accuracy:
 $\pm 2^\circ\text{C}$ on 0°C to 10°C
 $\pm 0.5^\circ\text{C}$ on 10°C to 45°C
 $\pm 2^\circ\text{C}$ on 45°C to 60°C
 $\pm 4^\circ\text{F}$ on 32°F to 50°F
 $\pm 1^\circ\text{F}$ on 50°F to 113°F
 $\pm 4^\circ\text{F}$ on 113°F to 140°F

RELATIVE HUMIDITY

Sensor: Capacitive humidity sensor
 Range: 0% to 100% RH
 Accuracy:
 $\pm 2.5\%$ at 25°C(77°F), 10% to 90% RH
 $\pm 5\%$ at 25°C(77°F), 0% to 10% RH, 90% to 100% RH
Sensor Response Time for 90% of Total Range:
 60sec typical.
Sensor Hysteresis(excursion of 10% to 90% to 10% RH):
 $\pm 1\%$ RH typical.

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Customer Approved By:	Prepared By:
	Bruce Hsieh Engineer Manager CHY