Exotek Instruments

Thermo-Hygrometer, w. IR-Sensor
TH-612IR

NEW !

Applications
Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and screen printing, measure ink and dryer temperature, Diesel and Fleet maintenance.

Features:
- Two in one Precise non-contact measures Temperature (˚C/˚F) and Relative Humidity simultaneously
- Dual LCD display for temperature and humidity
- Built-in laser pointer to improve non- contact infrared thermometer aim
- Resolution to 0.1%RH, 0.1ºor 1º(˚C/˚F)
- Switchable ˚C/˚Funits with MAX and HOLD functions
- Auto power off
- The meter at 8 inches away measure 1 inch target
- Backlit LCD display
- Ideal for Clean rooms, drying rooms, greenhouses, food and textile industries
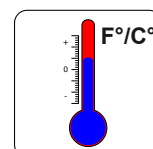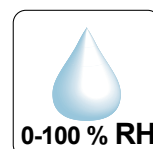
Specifications

Display	Dual LCD display for temperature and humidity with backlight
Ir Meas. Ranges	-50.0˚C to 500˚C/-58.0˚Fto 932˚F
Humidity Ranges	0% to 100%RH
Sample Rate	2.5 times/second.
Over Range Indication	LCD will show "OL"
Polarity	Automatic (no indication for positive polarity); Minus (-) sign for negative polarity.
Ir Spectral Response	6~14um
Power Off	Automatic shut off after 10 minute, approx.
Operating Temp.	0˚C to 50˚C (32˚Fto 122˚F)
Operating %rh	Max. 80% RH
Power Supply	9V battery
Weight	200g.
Size	150 X 75X40mm

The Instrument is delivered with:
- 9V battery
- Soft Case.

0-100 % RH

F°/C°

LASER TARGETING

CE

Infrared Thermometer Specifications

Range		Resolution	Accuracy
-50.0 °C ~200.0 °C	-50.0 °C~ -20.0 °C	0.1 °C	± 5 °C
	-20.0 °C ~200.0 °C		± 2% of reading or ± 2 °C
200 °C ~500 °C		1 °C	± 2% of reading or ± 2 °C

Range		Resolution	Accuracy
-58.0 ˚F~200.0 ˚F	-58.0˚F ~ -4.0˚F	0.1 ˚F	± 9 ˚F
	-4.0 ˚F ~200.0˚F		± 2% of reading or ± 4 ˚F
200˚F ~932˚F		1 ˚F	± 2% of reading or ± 4 ˚F

Note	1. Accuracy is given at 18 oC to 28 oC (64 oF to 82 oF), less than 80 % RH 2. Accuracy specified is for emissivity of 0.95
Emissivity settings	0.95 fixed
Distance Factor	D : S= Approx. 8:1 (D=distance, S=spot)

● **Relative Humidity / Air Temperature Specifications**

Range	Resolution	Accuracy
5.0%RH~95.0%RH	0.1%RH	± 3.5%RH
-20.0 °C ~60.0 °C	0.1 °C	±2 °C
-4.0 ˚F~140.0˚F	0.1 ˚F	± 3 ˚F

Note:
1. Accuracy is given at 18 °C to 28 °C (64 [0]F to 82 [0]F), less than 80 % RH.
2. Reaction time humidity is about 80 sec., windstill.
3. The measuring range is from 0% to 100%, but above 95% and below 5% the deviation is not specified.