



DT-8870 Series

DT-8870 Series Professional InfraRed
Thermometers with

Circular Laser targeting

Fast response time 0.15 sec.

Built-in Circular Laser Pointers focus target
(calibrated distance)

Triple LCD display indicates infrared
temperature, dew-point

temperature & humidity readings.

Double molded housing design



Features	DT-8870	DT-8870B	DT-8870V	DT-8871	DT-8872	DT-8873
User selectable °C or °F	*	*	*	*	*	*
Circular laser targeting	*	Single laser	Dual laser	*	*	Dual laser
Automatic Data Hold	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*
Max/Min display			*			
Dew-point Temperature alarm	*			*	*	*
Adjustable emissivity	*		*	*	*	*
Optical Resolution	12:1	12:1	12:1	16:1	20:1	30:1
Dew-point Temperature & Humidity readings.	*			*	*	*
Bluetooth interface		*				*
Memory data with Date/Time stamp		200 points				200 points

Size(HxWxD): 146mm x 104mm x 43mm

Weight: 163g

Specifications	DT-8870	DT-8870B	DT-8870V	DT-8871	DT-8872	DT-8873
IR Temp. Range	-50°C to 500°C -58°F to 932°F	-50°C to 380°C -58°F to 716°F	-50°C to 500°C -58°F to 932°F	-50°C to 800°C -58°F to 1472°F	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°					
Basic Accuracy	±2.0% of reading					
Spectral response	8-14µm					
Response Time	<150ms	<400ms	<500ms	<150ms		
Humidity	0-100%RH			0-100%RH		
Air Temp.	-20~50 °C/ -4~122 °F			-20~50 °C/-4~122 °F		
Dew Point Temp.	-20~50 °C/ -4~122 °F			-20~50 °C/-4~122 °F		
Emissivity	Adjustable 0.10~1.0					
Humidity Accuracy	±3%RH(20%~80%RH)					

Applications

Cooling and Reheating

Serving areas

Food service Equipment

Cold storage

Accessories:

9V battery, Carrying case and Gift box