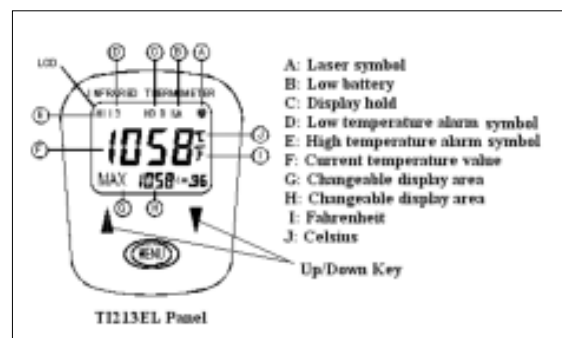


# Portable Infrared Thermometer Series



- Fast and reliable non-contact temperature measurement
- Temperature Range from  $-20^{\circ}\text{C}$  to  $3000^{\circ}\text{C}$  (see table below)
- $^{\circ}\text{C}/^{\circ}\text{F}$  selectable
- Various Sighting Modes: Laser, Coaxial Laser, Telescope
- Adjustable Emissivity, Backlight
- Tolerance Alarm
- Display of Max., Min.,  $\Delta T$ , Avg. and real time value
- Display hold, Wide Application



## Technical specifications

	TI120EL	TI130	TI200 <b>new</b>	TI213EL	TI315	TI315E
Measuring Range	$-20^{\circ}\text{C} \sim 500^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim 350^{\circ}\text{C}$	$-20^{\circ}\text{C} \sim 700^{\circ}\text{C}$	$-25^{\circ}\text{C} \sim 1200^{\circ}\text{C}$	$400^{\circ}\text{C} \sim 1800^{\circ}\text{C}$	$500^{\circ}\text{C} \sim 3000^{\circ}\text{C}$
Accuracy	$\pm 1\%$ or $\pm 1^{\circ}\text{C}$ whichever is greater	$\pm 2\%$ or $\pm 2^{\circ}\text{C}$ whichever is greater	$\pm 1\%$ or $\pm 1^{\circ}\text{C}$ whichever is greater	$\pm 1\%$ or $\pm 1^{\circ}\text{C}$ ( $\pm 3.5\text{F}$ ) whichever is greater		
Repeativity	$\pm 1\%$ or $\pm 1^{\circ}\text{C}$	Get the greater		$\pm 0.5\%$ or $\pm 0.5^{\circ}\text{C}$ Get the greater		
Display Resolution	$0.1^{\circ}\text{C}$ or $0.1^{\circ}\text{F}$	$0.2^{\circ}\text{C}$ or $0.2^{\circ}\text{F}$	$0.1^{\circ}\text{C}$ or $0.1^{\circ}\text{F}$			
Optical Resolution	8:1	8:1	35:1	80:1	120:1	120:1
Spectral Response	8-14 $\mu\text{m}$				2.1-2.4 $\mu\text{m}$	
Emissivity	0.30-1.00 adjustable	0.95 fixed	0.01-1.0 adjustable	0.15-1.00 adjustable	0.10-1.00 adjustable	0.10-1.00 adjustable
Response Time	$\leq 400\text{ms}$			$\leq 200\text{ms}$		
Sighting Mode	Laser			Coaxial laser	Telescope	
Temperature Display	$^{\circ}\text{C}/^{\circ}\text{F}$ selectable					
LCD Backlit	Yes					
Alarm	High/low	High	High/low			
Display Hold	Yes					
Low Battery Alarm	Yes					
Work Temperature	$0^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ( $32^{\circ}\text{F} \sim 122^{\circ}\text{F}$ )			$-18.5^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ( $-1.3^{\circ}\text{F} \sim 122^{\circ}\text{F}$ )	$10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ( $50^{\circ}\text{F} \sim 122^{\circ}\text{F}$ )	
Relative Humidity	10%-90%RH noncondensing up to $30^{\circ}\text{C}$ ( $86^{\circ}\text{F}$ )		10%-90%RH noncondensing up to $40^{\circ}\text{C}$ ( $104^{\circ}\text{F}$ )	10%-90%RH noncondensing up to $30^{\circ}\text{C}$ ( $86^{\circ}\text{F}$ )		
Storage Temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ ( $-4^{\circ}\text{F} \sim 148^{\circ}\text{F}$ ) (without Battery)					
Power	AAA1.5V battery (two pieces)			6F229V battery (two pieces)		
Weight (g)	170		200	500	600	
Dimensions(mm)	170 × 89 × 42		170 × 120 × 42	185 × 170 × 50	185 × 200 × 50	