



## High Performance

### ► Infrared Thermometer



The Infrared Thermometer Models ST685, ST688 and ST689 are non-contact high performance infrared temperature measuring instruments. Features include a 4 digits backlit dual display LCD, scan/hold/auto function and auto power off (about 6 seconds). To measure a temperature, point the unit at the food or object, pull the measuring trigger and hold. Make sure the target area is larger than the unit's spot size. The single spot of laser is used for aiming only.

Specifications	ST685	ST688	ST689
Distance/Spot Ratio	30:1	50:1	50:1
Temperature Range	-50~ 1000°C(-58~ 1832 )		
Accuracy (Assumes Operation Ambient Temperature of 25°C/77°F)	±3 (±5 )From -50~ -20 (-58~ -4 ) ±2 (±3 )From -20~ 100 (-4~ 212 ) ±2% From 100~1000 (212~1832 )		
Thermopile	8~14μm		
Repeatability	±1 (±2 )		
Resolution	0.1 (0.1 )		
Response Time	500ms		
Operation Temp	0~50 (32~122 ),10~90%RH		
Auto Power Off	Automatically after approx. 6sec		
Emissivity	Adjustable 0.1~1.0		
/ Switchable	YES	YES	YES
Backlight	YES	YES	YES
Laser Sight Switchable	YES	YES	YES
Max/Min/Avg./ΔT	YES	YES	YES
Auto-measuring	YES	YES	YES
10 point memory	YES	YES	YES
Audio Alarm	YES	YES	YES
Dual Display	YES	YES	YES

Tripod Mount	YES	YES	YES
USB Data Output	NO	NO	YES
Thermocouple K Type	NO	NO	YES
Dimensions	200×127×47 mm		

#### ► Features

High DS ratio.  
Backlit dual display LCD.  
New series for general purposes.  
Ultra low power consumption in shutdown mode.  
Extended long time measuring reliability.  
Laser sighting on/off is switchable.  
or selectable.  
Electronic trigger lock.  
Temperature data storage.  
Audible alarms.

#### ► Applications

Far distance temperature monitor.  
Electrical troubleshooting.  
Air conditioner.  
Manufacturing processes of semiconductor technology.  
Test terminals on circuits.  
Perform HVAC energy audits.



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