

# Dual Temp Infrared & Probe Thermometer

The Dual Temp 480's innovative design incorporates a non-contact infrared thermometer to measure surface temperature with a retractable thermocouple probe to measure internal temperature. The Dual Temp 480 is your two-in-one solution! Its pocket-sized design is durable and the large LCD allows two temperature readings to be viewed on one screen simultaneously. The 480 is °F / °C selectable, has Min / Max memory with a lock function for long term monitoring, a 15-second temperature hold and an auto shut-off feature. These unique features make the Dual Temp 480 infrared adaptable to all working environments.

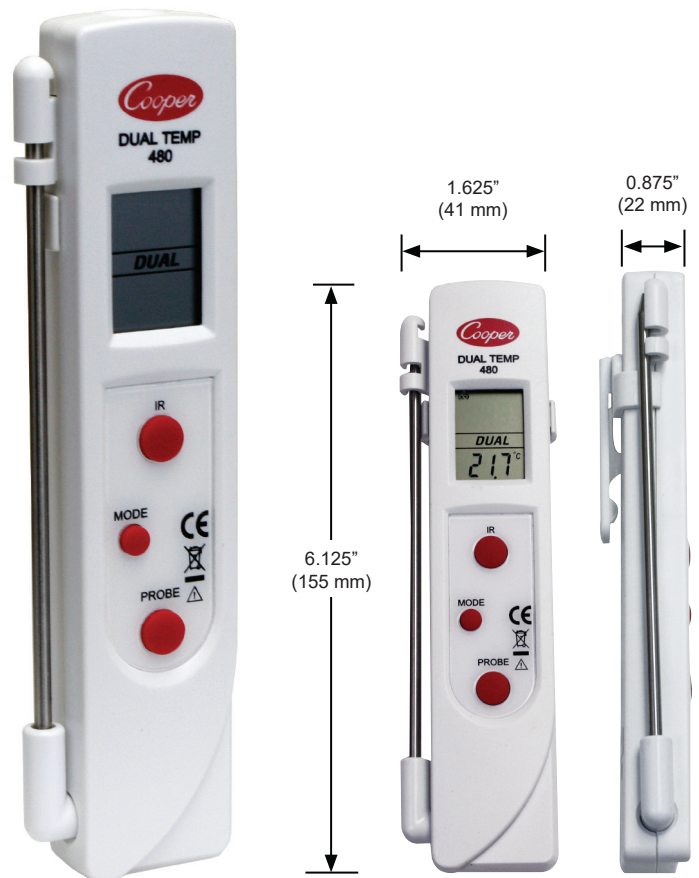


## Specifications

- Infrared Temperature Range: -27° to 428°F (-33° to 220°C)
- Infrared Accuracy:  $\pm 4^{\circ}\text{F}$  ( $\pm 2^{\circ}\text{C}$ )
- Thermocouple Probe Range: -67° to 626°F (-55° to 330°C)
- Thermocouple Accuracy:  $\pm 2^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ )
- Resolution: 0.1°, 1° above 200°F (93°C)
- Ambient Operating Range: 32° to 122°F (0° to 50°C)
- Emissivity: 0.95 default, adjustable 0.1 to 1
- Power Source: One button cell CR2032 battery (included)
- 40-hour battery life
- Auto Shut-off: IR mode: after 15 minutes
- Probe mode: 4 minutes
- Modes: Min / Max / Lock / Hold
- Distance to Spot (D:S): 1:1
- Shaft Length: 4.5" (114 mm)
- CE certified, WEEE marked and RoHS compliant
- 1 year warranty

## Packaging

- Individual Package Weight: 5 oz (142 g)
- Package Dimensions: 5.25" x 1.25" x 9" (133 mm x 32 mm x 229 mm)
- Package Cube: 0.03
- (6) per shelf box, 36 per master carton



## Infrared Thermometers

Non-contact infrared thermometers provide an immediate surface temperature. Simply point the infrared (some available with a visible laser) directly at an area to obtain its temperature. Infrared thermometers are perfect for measuring items in display cases, salad bars, and buffets without touching the food or causing cross-contamination. They are also ideal for checking moving machinery, pipes and overhead equipment in any kitchen or cafeteria.



	412	462	470	480	481
Temperature Range:	Infrared -76° to 932°F (-60° to 500°C) Type K Thermocouple Jack -83° to 1999°F (-64° to 1400°C)	-40° to 536°F (-40° to 280°C)	-27° to 428°F (-33° to 220°C)	Infrared -27° to 428°F (-33° to 220°C) Probe -67° to 626°F (-55° to 330°C)	Infrared -40° to 536°F (-40° to 280°C) Probe -40° to 392°F (-40° to 200°C)
Infrared Accuracy :	Infrared ±4°F (±2°C)	Infrared ±2°F (1°C)	Infrared ±3.6°F (±2°C)	Infrared ±4°F (±2°C)	Infrared ±2°F (±1°C)
Probe Accuracy :	Thermocouple Jack ±2°F (±1°C)	-	-	Thermocouple Probe ±2°F (±1°C)	RTD Probe ±1°F (0.5°C)
Resolution:	0.1° 1°F / °C above 200°F	0.1° 1°F / °C above 230°F	0.1° 1°F above 200°F	0.1° 1°F above 200°F	0.1°
Ambient Operating Range:	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)	32° to 122°F (0° to 50°C)
Laser:	Single Dot	Single Dot	-	-	Single Dot
Distance to Spot (D:S):	12:1	6:1	1:1	1:1	3:1
Emissivity:	0.95 default Adjustable from 0.10 to 1.0	Preset at 0.97	Preset at 0.95	0.95 Default, Adjustable from 0.10 to 1.0	Preset at 0.97
Power:	(2) 1.5V AAA	(1) 9V battery	(1) #CR2032 battery	(1) #CR2032 battery	(1) 9V battery
Battery Life:	180 Hours	12 Hours	40 Hours	40 Hours	100 Hours
Auto Off:	IT: 60 sec. / Probe: 12 min.	7 sec.	15 sec.	IR: 15 sec. / Probe: 4 min.	20 sec.
Weight:	6 oz (170 g)	5 oz (142 g)	1 oz (28 g)	2.5 oz (72 g)	6 oz (170 g)
Regulatory Listings:	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, NSF, RoHS
Warranty:	1 Year	1 Year	1 Year	1 Year	1 Year



**412**  
Gun-style  
Infrared with  
Thermocouple  
Jack



**462**  
Slim-Line  
Infrared



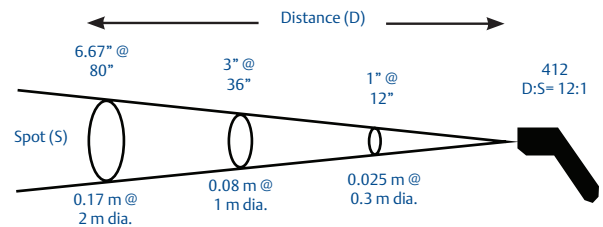
**470**  
Mini Infrared



**481**  
DualTemp2 Infrared  
with RTD Probe

### D:S (Distance to Spot Ratio)

The further away from the object, the larger the surface area measured. Optical resolution is expressed as a ratio of the distance to the resolution spot divided by the diameter of the spot.



**Cooper-Atkins**  
**Emerson Commercial & Residential Solutions**  
33 Reeds Gap Road | Middlefield, CT 06455  
T +800-835-5011 | F +860-347-5135  
www.cooper-atkins.com | 67-1282 | V1121

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