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
Gun-style Infrared with Thermocouple Jack

462
Slim-Line Infrared

470
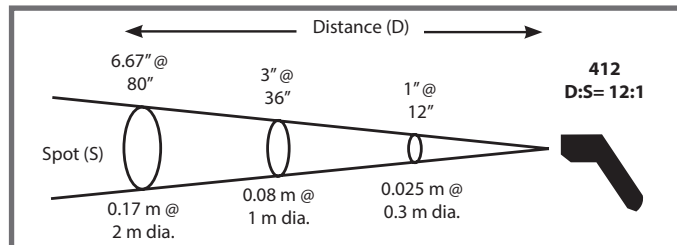**Mini Infrared**

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.

Distance (D)

6.67" @ 80"
3" @ 36"
1" @ 12"

412 D:S= 12:1

Spot (S)

0.17 m @ 2 m dia.
0.08 m @ 1 m dia.
0.025 m @ 0.3 m dia.

	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

Accuracy to the Highest Degree