



ThermoWorks

# Infrared Thermometer Selection Chart



	IR-POCKET	CZ-IR	IR-GUN-S	IRFS	IRK-2	IRT-2	RayTemp 2 Plus	Thermapen® IR	IR-IND	RayTemp Blue	IR-PRO-75	IR-PRO-100
<b>Optics</b>												
Distance to Spot Ratio	1:1	1:1	12:1	12:1	12:1	12:1	5:1	5:1	30:1	5:1	75:1	100:1
Range	-27.4 to 230°F	-67 to 428°F	-76 to 1,022°F	-67 to 536°F	-58 to 1,022°F	-76 to 1,022°F	-58 to 662°F	-58.0 to 661.8°F	-76 to 1,400°F	-58 to 662°F	-31 to 2,912°F	212 to 3,272°F
Adjustable Emissivity		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Fixed Emissivity	0.95			0.97								
Best Accuracy (IR)*	± 4.5°F	±1.1°F	±2.7°F	±1.8°F	±1.8°F	±1.1°F	±1.8°F	±1.8°F	±1.8°F	±1.8°F	±2%	±2%
Targeting Laser (Can be disabled)			Single	Single/Always On	Full Circle	Full Circle			Full Circle		Dual	Dual
Response Time (IR)	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.	1 sec.
<b>Display</b>												
High/Low Alarms			✓		✓	✓			✓	in app †	✓	✓
Min/Max Temps		✓	✓	max only	✓	✓	✓	✓	✓	in app †	✓	✓
Switch Between °F and °C	✓	✓	✓	✓	✓	✓	✓	✓	✓	in app †	✓	✓
Max. Resolution	0.5°F (0.2°C)	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°
Backlight			✓	✓	✓	✓	✓	✓	✓		✓	✓
Hold Duration/Auto-Off	15 sec.	15 sec.	15 sec.	15 sec.	60 sec.	60 sec.	30 sec.	30 sec.	60 sec.	10 min.	60 sec.	60 sec.
Temperature Recording										in app †	on SD card	onboard
Auto-Rotating Display							✓	✓				
<b>Probes</b>												
Accepts Thermocouple Probe (sold separately)					Type K	Type T		Type K Built In	Type K		Type K	Type K
Accuracy (Thermocouple Probe)					±1.8°F + probe	±0.9°F + probe		±0.7°F	±1.8°F + probe		±1.8°F + probe	±1.8°F + probe
Probe Range					-83.2 to 2,552°F	-76 to 662°F		-58.0 to 572.0°F	-83.2 to 2,552°F		-83.2 to 2,552°F	-83.2 to 2,552°F
<b>Housing</b>												
Rugged Housing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Certificate Type Included ‡		Conformance	Conformance	Conformance	Conformance	Conformance	NIST-Traceable	NIST-Traceable	Conformance	NIST-Traceable	Conformance	Conformance
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	2 years	2 years	1 year	2 years	1 year	1 year
Includes Carrying Case							Zipper Wallet			Zipper Wallet	Pelican Case	Pelican Case
<b>Power</b>												
Battery Life	30 hrs	40 hrs	14 - 18hrs.	min. 140 hrs	min. 140 hrs	140 hrs.	5,000 hrs	1,000 hrs.	min. 140 hrs	3,000 hrs.	100 hrs.	min. 140 hrs
Battery Type	2 x LR44	1 x CR2032	2 x AAA	2 x AAA	2 x AAA	2 x AAA	3 x AAA	2 x CR2032	2 x AAA	3 x AAA	2 x AA	2 x AA

\* Infrared accuracy specs typically change over the full range. See the website for more details.

† Features vary depending upon the app you use to connect.

‡ Laboratory calibration certificates are available on any ThermoWorks product for an additional charge.