



ThermoWorks

# Infrared Thermometer Selection Chart



	IR-POCKET	CZ-IR	IR-GUN-5	IRFS	IRK-2	IRT-2	RayTemp 2 Plus	Thermapen® IR	IR-IND	CF-IR	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	0.1" spot size	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	-67 to 428°F	-58 to 662°F	-31 to 2,912°F	212 to 3,272°F
Adjustable Emissivity		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Fixed Emissivity	0.95			0.97									
Accuracy (IR)*	± 4.5°F	± 1.8°F	± 4°F	± 2°F	± 4°F	± 1.8°F	± 1.8°F	± 1.8°F	± 4°F	± 4°F	± 1.8°F	± 4°F	± 2%
Optional Targeting Laser			Single	Single/Always On	Full Circle	Full Circle			Full Circle	Dual/Always On		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.	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	0.1°	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.	15 sec.	10 min.	60 sec.	60 sec.
Temperature Recording											in app †	on SD card	onboard
Auto-Rotating Display							✓	✓					
<b>Probes</b>													
Accepts Thermocouple Probe (not needed)					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	Conformance	NIST-Traceable	Conformance	Conformance
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	2 years	2 years	1 year	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	15 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	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.