

Comparison of REED Infrared Thermometers



MODEL	FS-200	R2300	R2310	R2320	R2330	R2340
Temperature Range	-58 to 392°F (-50 to 200°C)	-25.6 to 752°F (-32 to 400°C)	-31 to 1202°F (-35 to 650°C)	-26 to 1472°F (-32 to 800°C)	-26 to 2282°F (-32 to 1250°C)	-58.0°F to 3362°F (-50°C to 1850°C)
Accuracy	-58 to 4°F (-50 to -20°C): ±9°F (±5°C) 4 to 392°F (-20 to 200°C): ±2% rdg or ±4°F (±2°C)	±2% rdg or 4°F (2°C)	±1.8% rdg or 3.6°F (1.8°C)	±1.8% rdg or 3.6°F (1.8°C)	±1.8% rdg or 3.6°F (1.8°C)	-58.0°F to 32°F (-50°C to 0°C)
Resolution	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)	0.1°F (0.1°C)
Optical Resolution (D:S)	8:1	12:1	12:1	30:1	50:1	55:1
Dual Laser	N/A	N/A	N/A	N/A	Yes	N/A
Spectral Response	6 to 14µm	8 to 14µm	8 to 14µm	8 to 14µm	8 to 14µm	8 to 14µm
Emissivity	0.95 (Fixed)	0.1 to 1.0 (Adjustable)	0.1 to 1.0 (Adjustable)	0.1 to 1.0 (Adjustable)	0.1 to 1.0 (Adjustable)	0.1 to 1.0 (Adjustable)
Response Time	<1 sec	500ms	250ms	250ms	250ms	250ms
Display	LCD	LCD	LCD	EBTN LCD	EBTN LCD	TFT LCD
Backlit Display	Yes	Yes	Yes	Yes	Yes	Yes
Display Hold	Yes	Yes	Yes	Yes	Yes	Yes
High/Low Alarms	Yes (Audible beep)	Yes (Audible beep)	Yes (Audible beep)	Yes (Audible beep)	Yes (Audible beep)	Yes (Audible beep)
Max/Min	N/A	Yes	Yes	Yes	Yes	Yes
Average and Differential	N/A	N/A	Yes	Yes	Yes	Yes
°F/°C Switchable	Yes	Yes	Yes	Yes	Yes	Yes
Trigger Lock	Yes	Yes	Yes	Yes	Yes	Yes
Internal Memory Profiles	N/A	N/A	N/A	Yes (Hi & Lo Alarms/Emissivity)	Yes (Hi & Lo Alarms/Emissivity)	Stores up to 999 data points
Thermocouple Input	N/A	N/A	N/A	N/A	N/A	Yes (Type K)
Tripod Mountable	N/A	N/A	Yes	Yes	Yes	N/A
Laser Class	Class II	Class II	Class II	Class II	Class II	Class II
Low Battery Indicator	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply	9V Battery	9V Battery	9V Battery	9V Battery	9V Battery	3.7V 2600mAh
Product Certifications	CE	CE, ETL, RoHS	CE, RoHS, IP65	CE, RoHS	CE, RoHS	CE, RoHS, UKCA
Drop Test	N/A	N/A	Yes, 9.8ft (3m)	N/A	N/A	N/A
Lab Adjustable during Calibration	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	32 to 122°F (0 to 50°C)	32 to 104°F (0 to 40°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)	14 to 122°F (-10 to 50°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)	-4 to 140°F (-20 to 60°C)
Operating Humidity	10 to 90% RH	10 to 90% RH	10 to 90% RH	10 to 90% RH	10 to 90% RH	10 to 90% RH
Dimensions	3.2 x 1.7 x 2.4" (82 x 42 x 60mm)	6.0 x 4.3 x 1.6" (153 x 108 x 40mm)	7.4 x 4.7 x 2.2" (189 x 118 x 55mm)	7 x 4.98 x 2" (179 x 126.5 x 53mm)	7 x 4.98 x 2" (179 x 126.5 x 53mm)	8.07 x 4.88 x 2.56" (205 x 124 x 65mm)
Weight	6.4oz (180g)	6.5oz (185g)	10.3oz (292g)	10.95oz (310g)	10.95oz (310g)	0.82lbs (375g)

[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)[Learn More](#)