

INFRARED THERMOMETERS

THERMAL IMAGERS 19 200 PIXELS

- 3.5" colour TFT LCD capacitive touch screen
- High thermal sensitivity (NETD) of <math>< 80\text{mK}</math>
- Built-in laser and white LED flashlight
- Built-in visible light digital camera
- 20x continuous zoom
- Includes thermal imager, 7.5 mm lens, lens cap, micro SD memory card, video output cable, headset, USB cable, hood, tripod stand, shoulder strap, battery, charger, DC power supply, user manual, software CD and hard carrying case
- Accredited calibration available

SPECIFICATIONS:

IR Resolution:	160 x 120 pixels
Field of View:	29.8 x 22.6°
Detector Type:	Uncooled microbolometer
Thermal Sensitivity (NETD):	<math>< 0.08^\circ\text{C}</math> (80mK)
Image Capture Frequency:	50Hz
Focus:	Manual
Temperature Range:	-4 to 752°F (-20 to 400°C)
Accuracy:	$\pm 3.6^\circ\text{F}$ ($\pm 2^\circ\text{C}$) or $\pm 2\%$ of reading
Storage Medium:	4GB micro SD card
Interface:	USB-mini, audio, composite video (PAL and NTSC), Micro SD slot
Drop Test:	2m
Encapsulation:	IP65
Power Supply:	7.4V lithium polymer battery
Battery Life:	4 hours
Dimensions:	9.56" x 4.06" x 0.525" (243 x 103 x 160 mm)
Weight:	920 g (32.45 oz)



IA978

REED

Model No.	Mfg. No.	Description	Price/Each
IA978	R2100	Thermal Imager	
IA983	RL-11	11 mm Replacement Lens	
IA984	RL-22	22 mm Replacement Lens	
IA985	RL-33	33 mm Replacement Lens	
IA996	R2100-7.4V	Spare Battery	

INFRARED VIDEO THERMOMETER

- Dual lasers identify exact measuring spot where they converge
- Optical Resolution: 50:1 (Distance: Spot size)
- Fast 150ms response time
- 2.2" TFT colour LCD and built-in 640 x 480 pixels camera
- Supports image (JPEG) and video (AVI) capture alerts
- Transmit images and videos via USB interface
- 72MB internal memory with MicroSD memory card extension
- Datalogging capabilities with date and time
- Includes type K thermocouple probe, AC adapter, USB adapter, mini-tripod, and hard carrying case

SPECIFICATIONS:

IR Temp. Range:	-58 to 3992°F (-50 to 2200°C)
Spectral Response:	8 to 14 μm
Type K Temp. Range:	-58 to 2498°F (-50 to 1370°C)
Air Temp. Range:	32 to 122°F (0 to 50°C)
Dew Point & Wet Bulb Temp. Range:	32 to 122°F (0 to 50°C)
Humidity Range:	0 to 100% RH



REED

Model No.	Mfg. No.	Description	Price/Each
IA977	R2020	Infrared Video Thermometer/Datalogger	
OM464	SD-MINI (8GB)	8GB Micro SD Memory Card	

REED R2050 THERMAL IMAGING CAMERA

- 2.8" colour 240 x 320 pixel LCD display
- High thermal sensitivity (NETD) of $< 0.1^\circ\text{C}$ @ $+30^\circ\text{C}$ ($+86^\circ\text{F}$) / 100mK
- Built-in laser and white LED flashlight
- Built-in visible light 5 Megapixel digital camera
- 32x continuous digital zoom
- Infrared and visual images, picture-in-picture, as well as visual image with infrared overlay
- Automatic hot/cold spot indicator
- Automatic level/span function
- Video recording with voice annotations
- Set-up Commands: Local adaptation of units, language, date and time formats, information of camera



SPECIFICATIONS:

IR Resolution:	80 x 80 (6400 pixels)
Thermal Sensitivity/NETD:	$< 0.1^\circ\text{C}$ @ $+30^\circ\text{C}$ ($+86^\circ\text{F}$) / 100 mK
Focus Distance:	17" x 17" / 0.5 m
Image Frequency:	50 Hz
Temperature Range:	-20°C to +150°C (-4°F to +302°F); 0°C to +350°C (+32°F to +662°F)
Humidity (Operating & Storage):	10% to 90%
Storage Media:	8GB Micro SD Card

REED

Model No.	Mfg. No.	Description	Price/Each
IB745	R2050	Thermal Imaging Camera	
IB746	R2050-3.7V	Replacement Battery	

INFRARED TEMPERATURE CALIBRATORS

- Temperature Range: Up To 500°C (932°F)
- This portable infrared temperature calibrator is as easy to use, just point and shoot;
- For calibrating non-contact infrared thermometers up to 500 °C (932 °F);
- Temperature controlled black-body target with a diameter of 2.25" (57 mm);
- Wide field of view to compensate for optical variations in individual infrared thermometers;
- Simply set the desired temperature in increments of 0.1 °, wait for the calibrator to attain equilibrium, point the infrared thermometer at the target and measure the radiated energy;
- Contact RTD reference well is located directly behind the blackbody target to assure even higher accuracies of $\pm 0.1^\circ\text{C}$
- Display: Digital
- No. of outputs: 2



REED

Model No.	Mfg. No.	Price/Each
IA548	BX-500	