

Infrared Camera Thermal Bench Top Test Kits



- IR Camera, Optics, and Software Solutions for Saving Time and Resources
- Thousands of Temperature Measurements per Image
- Fast, Versatile Thermal Imaging and Temperature Analysis

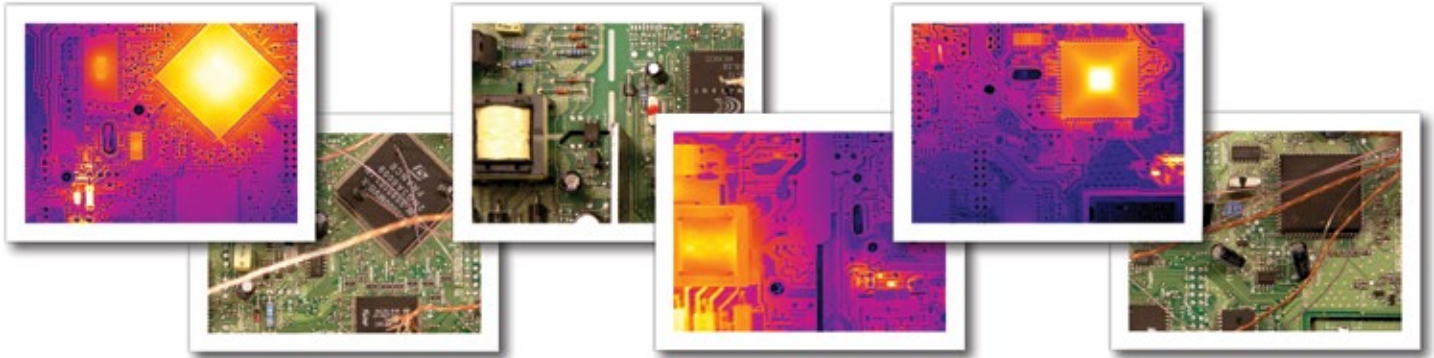
FLIR Infrared Camera Thermal Bench Top Test Kits

No one can afford costly product recalls and do-overs caused by inadequate temperature measurement devices. So FLIR developed an innovative alternative that you can't afford to pass up.

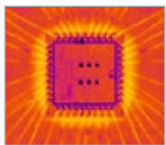
Throw out the rat's nest of thermocouples, the painstaking IR thermometer guns, and all the questionable results that go with them. Know exactly where to measure, trust your findings every time, and become far more productive with a FLIR Thermal Bench Top Test Kit.

Thermocouples are limited to a best guess of where the right measurement points might be and often create undesirable heat sinks that alter a target's thermal properties. A spot pyrometer isn't very effective either. Like a thermocouple, it only measures one point at a time. Worse, it merely senses the average temperature of an area, and the farther away from the object, the greater the discrepancy.

But with an infrared camera in a FLIR Thermal Bench Top Test Kit, you can detect thousands of measurement points in each thermal image and get reliable data in seconds. Even better, you can see exactly where the heat is. Together with the kit's lens choices and FLIR Tools + time vs. temperature plotting software, FLIR now offers the most dependable infrared solution to help paint the complete picture and get it right the first time.



Features



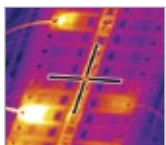
Innovative Beats Outdated Everytime

Eliminate risky guesswork with instant non-contact readings that deliver up to 81,920 repeatable, accurate temperature measurements in each thermographic image.



Portable & Easy-to-Operate

Compact at less than two pounds for E40 and T420, and less than half a pound for A5sc, A15sc, and A35sc models, the camera takes up little bench space and can be easily moved to other test stations.



Spot-on Detection

FLIR's standard $\pm 2\%$ or $\pm 2^\circ\text{C}$ accuracy (E40 & T420) with down to $<0.05^\circ\text{C}$ sensitivity lets you see the fine thermal variations necessary for critical documentation.



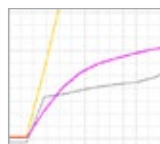
On-Camera Measurement Analysis

Spot and area measurement tools built into the touchscreen interface on the E40 and T420 provide quick temperature analysis on live thermal imagery or recorded snapshots.



Optics Options

View an entire printed circuit board with the wide field-of-view lens or tighten in to a $125\ \mu\text{m}$ spot size with the close focus 45° lens included in T420 kits.



Movie Recording & Data Logging

Stream to a PC via USB from an E40 or T420, or over Gigabit Ethernet from an A5sc, A15sc, and A35sc to display, record, and further analyze images. Chart time vs. temperature for spot and area measurements with the kit's real-time plotting software.



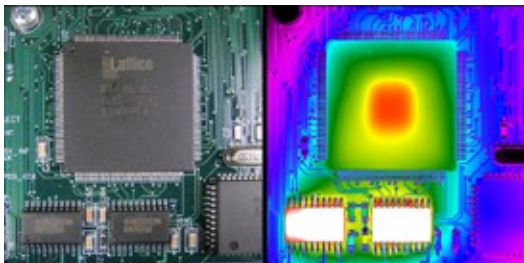
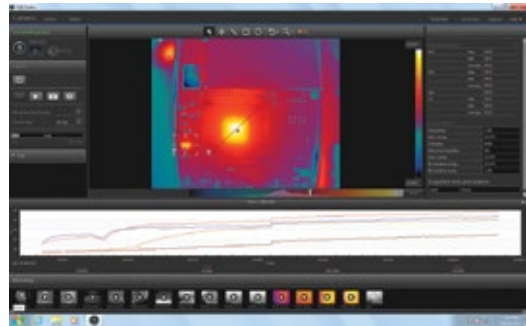
A5sc - \$2,450
 A15sc - \$3,995
 A35sc - \$5,495



10-Year Detector Protection
 5-Year Battery Protection
 2-Year Parts & Labor

FLIR A35sc Thermal Bench Top Test Kit

- Choice of A5sc, A15sc, or A35sc camera
- Up to 81,920 pixels/spots per image with A35sc
- Manual focus 44° optics on A5sc & A15sc or 48° on A35sc
- Measurements down to 200 microns on A35sc
- **FLIR Tools+** real-time image/data logging and plotting software
- Gooseneck bench top camera stand



Your Vision

FLIR Vision



Bench Top Test Kit



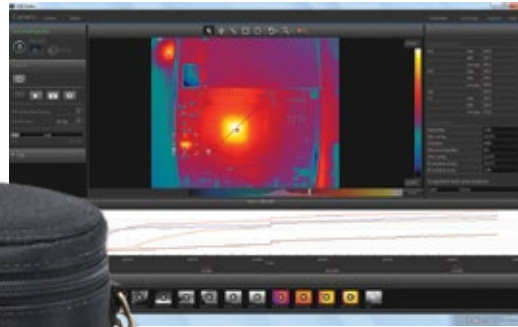
\$4,995



10-Year Detector Protection
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FLIR E40 Thermal Bench Top Test Kit

- E40 thermal camera
- 19,200 pixels/spots per image
- 25° and 45° optics
- Measurements down to 200 microns
- **FLIR Tools+** real-time image/data logging and plotting software
- Camera tripod adapter for locked-down targeting



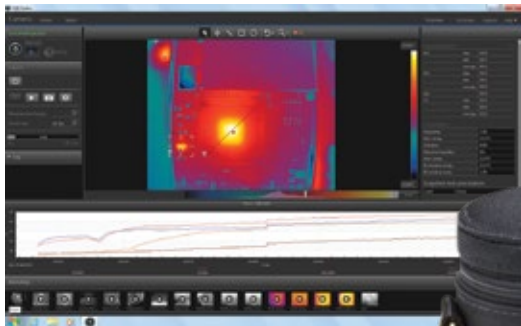
FLIR T420 Thermal Bench Top Test Kit

\$9,995

- T420 thermal camera
- 76,800 pixels/spots per image
- 25° and 45° optics
- Remote and auto focus
- Measurements down to 125 microns
- Digital microscope visible camera
- **FLIR Tools+** real-time image/data logging and plotting software
- Camera tripod adapter for locked-down targeting



10-Year Detector Protection
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The Right Camera for the Right Job

Whatever your line of work, FLIR has a thermal camera that is right for your specific application.



Specifications	A5sc	A15sc	A35sc	E40	T420
Resolution	80 x 64	120 x 128	320 x 256	160 x 120	320 x 240
Sensitivity	<0.05°C	<0.05°C	<0.05°C	<0.07°C	<0.045°C
Accuracy	+/-5% or 5°C	+/-5% or 5°C	+/-5% or 5°C	±2% or 2°C	±2% or 2°C
Temperature Range	-40°C to 550°C	-40°C to 550°C	-40°C to 550°C	-20°C to 650°C	-20°C to 650°C
Digital Camera	(Optional)	(Optional)	(Optional)	3.1 MPixel (built-in)	3.1 MPixel (built-in) Digital Microscope
On-Camera Analysis	NA	NA	NA	3 Spots, 3 Areas, Auto Hot / Auto Cold, Isotherm (high/low/interval)	5 Spots, 5 Areas, Auto Hot / Auto Cold, Isotherm (high/low/interval)
Digital Data Streaming to PC	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	USB	USB
Image Snap Shot and Movie Recording	Yes	Yes	Yes	Yes	Yes
Time vs Temperature Plotting	Yes	Yes	Yes	Yes	Yes
Minimum Spot Size	350 micron	250 micron	200 micron	200 micron	125 micron
Price	\$2,450	\$3,995	\$5,495	\$4,995	\$9,995

See a video demonstration and get all the details at:

www.flir.com/benchtop or call 1.866.477.3687



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