ELECTRONICS TESTING SOLUTIONS
THE BEST TOOLS FOR YOUR BENCH

Research & Development ■ Industrial Labs ■ PCB & Circuit Board Analysis
CHOOSE YOUR BENCHTOP TESTING SOLUTION

If you’re trying to find the right electronics testing instruments, look no further. Here you’ll find efficient tools to tackle various benchtop challenges.
RELY ON THERMAL IMAGING FOR EFFICIENT BENCHTOP TESTING

No one can afford costly product recalls and do-overs caused by inadequate testing procedures. With thermal imaging at your disposal, you can detect thousands of measurement points in each image and get reliable data in seconds. FLIR offers the most dependable thermal imaging solutions to help paint the complete picture and get it right the first time.

FLIR THERMAL IMAGING CAN HELP YOU:

• Visually detect overheating components before they fail and cause damage to your printed circuit board
• Pinpoint impending problems in everything from discrete components like capacitors and resistors, to power components like transformers and transistors
• Detect trace damage from power surges
FLIR ETS320

Thermal imaging system for electronics testing
FLIR designed the ETS320 for hands-free use, with a microscope-style stand that's quick to set up—to keep your focus on your work, not on camera controls. It’s an affordable solution for electronic board and device evaluation, and takes the guesswork out of thermal testing for fast discovery of hot spots and potential points of failure.

• 320 x 240 IR sensor offers 76,800 points of non-contact temperature measurement
• Measurement accuracy of ±3°C promotes quality assurance and factory acceptance of PCBs
• Crisp 3-inch LCD display provides immediate thermal feedback
• Includes FLIR Tools software to quickly import, edit, and analyze images

FLIR A65sc/A35sc

Thermal imaging temperature sensor
The FLIR A65sc-Series of thermal imaging temperature sensors offers comprehensive temperature monitoring. The A35sc and A65sc provide:

• High-quality thermal images that can show temperature differences as small as 50 mK
• GigE Vision standard compatibility for fast image transfer over long distances
• Hardware and software from different vendors can operate seamlessly over Gigabit Ethernet connections
• GenICam protocol support provides a generic programming interface for all types of cameras
• Non-contact temperature measurement within any third-party software
• Real-time 14-bit image streaming to computer
FLIR DIGITAL MULTIMETERS

True RMS Digital Multimeters

Providing all the features you need for benchtop voltage testing, measuring frequency, diode, capacitance, and temperature.

SOLUTIONS FOR HIGH-PERFORMANCE NEEDS

Contact a FLIR representative if your needs expand into the following categories

- Seeing smaller targets
- Measure higher temperatures
- Capture fast-moving objects
- Acquire better measurement accuracy

For more information:
Call: (866) 477-3687
or Visit: www.flir.com/science

MORE TOOLS FOR YOUR BENCH

FLIR DIGITAL MULTIMETERS

True RMS Digital Multimeters

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- Software Included: FLIR Tools+

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EXTECH BENCH TOOLS

LCR METERS
When you need precise inductance, capacitance, and resistance measurements, Extech’s LCR meters are your go-to benchtop tool.

OSCILLOSCOPE
Extech’s oscilloscope for electronics testing allows you to graphically observe the change of an electrical signal over time and assure a stable display of virtually any waveform.

CLAMP METERS
Extech offers various mini clamp meters with a small-diameter jaw designed to reach in tight areas, perfect for benchtop troubleshooting.

POWER SUPPLIES
Extech’s lab-grade DC power supplies are essential for electronic repair and calibration.
RESISTANCE
Extech’s milliohm meter provides resolution down to 0.01 mΩ using 4-wire Kelvin clip test leads. It also features 7 ranges for low-resistance measurements.

CONTACT TEMPERATURE
For the jobs that require measuring extremely high or low temperatures, Extech has the right contact measurement tool.

AIR TEMPERATURE
When you need to know the temperature of a room, Extech hygro-thermometers are the handiest tool around. They simultaneously display temperature and humidity.

HUMIDITY METERS AND DATALOGGERS
Control static electricity and maintain accurate humidity and temperature information with Extech’s humidity and temperature dataloggers. Reliably track data, record thousands of readings, and transfer them to a PC.