



# tvLYT™

## LIQUID CRYSTAL THERMOGRAPHIC ANALYSIS TOOL

tvLYT™ is a high resolution liquid crystal thermography system for cost effective temperature measurement of electronic circuit boards, micro circuits, hybrid components and integrated circuits. The camera lens assembly is supported by a scissor arm stand base for easy attachment.

### SYSTEM COMPONENTS

- » High performance, solid-state, color camera with macroscopic optic
- » Stable, flicker-free LED light source
- » USB Connection
- » Thermo-chromic Liquid Crystal (TLC) materials supplied in an easy to use kit
- » Image processing software system, thermVIEW™ Lite
- » Four calibrations will be performed at ATS free-of-charge for the first year.
- » Lifetime technical support

### CHARACTERISTICS

- » Manual Focus
- » Field of view at 15mm distance: 26 x 26mm
- » Field of view at 48mm distance: 180 x 180mm
- » Software capabilities to 200mm by a factor of 16x



TRAVEL CASE



MACROSCOPIC OPTIC CAMERA

#### DIMENSIONS (L X W X H)

##### FULLY EXTENDED

81.3 x 12.7 x 15.2 cm  
(32 x 5 x 6")

#### MAGNIFICATION

Digital Zoom –16X

#### TOTAL SYSTEM WEIGHT

0.9 kg (2 lbs)

#### POWER

115V (Required for LED light)

#### PC REQUIREMENTS

Memory Requirement-128M  
Storage - 1GB

### APPLICATIONS

- » Locate hot spots and defects
- » IC thermal design and verification
- » Accurate temperature measurement on hot spots on mini and micro circuits, components, modules, and PCBs
- » Quick and Easy Temperature gradient analysis of devices
- » Comparative failure analysis



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