

Test Fixture Bulletin

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FLIR E4 Thermal Imaging

Automation Repair and Sales

Electronics Robotics Servo motors Spindle Motors CNC HMI / Displays Operator Stations Monitors PLCs Light Curtains Inverter Drives AC/DC Drives Welders Process Controls

Capabilities Include:

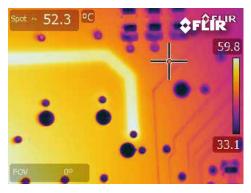
Electronics Robotics Welders Generic gearboxes (rolling element bearings) Motors (servo, spindle)



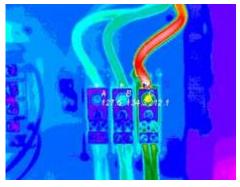
Northline Industrial, Inc. 12238 Woodbine Redford, MI 48239 The FLIR E4 is Northline Industrial's latest investment in tools to improve repair efficiency and quality. Heat is the main enemy of todays complex automation electronics and mechanical devices. This unit allows us to measure detailed thermal deviations on energized electrical circuits and also allow us to see high friction points on moving mechanical devices. FLIR cameras allows us to see the elevated heat levels in a device which is an indication that something is wrong, stressed and about fail. The FLIR E4 camera gives us quick access to thermal imaging in order to detect failures, heat stressed components and also to document thermal differentials as a quality control check for repaired industrial equipment. FLIR thermal imaging is available upon request. Please forward all thermal imaging inquiries to your local Northline Sales Representative.



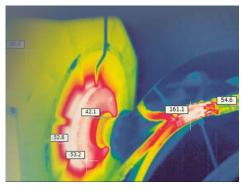
Demonstrates excessive heat at a loose connection on a welder repair.



Visual indication of increased heat on a PCB trace.



Excessive heat shown at a Control Panel power distribution block.



FLIR Image shows potential problem on motor cables.

Contact your Northline sales representative for all of your repair needs.

Email : info@northlineindustrial.com eBay : Northline Industrial Store Web : www.northlineindustrial.com Phone: 313-537-9798 Fax : 313-537-9895