



Product Information Sheet

InfraScope M1

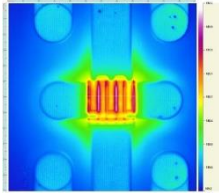
General Overview

The InfraScope M1 is a High Accuracy, self-contained and complete solution for non-invasive Temperature Analysis of micro-structures including ICs such as microprocessors and micro-controllers, also discrete components such as HEMT, MMICs and FET or Bipolar transistors. The system is delivered complete with Probe Station, Thermal Controller, Sample Stage, Industrial Computer Running Windows10 with the QFI system controller as shown in the picture to the right:

Capabilities

M is for measurement and the QFI InfraScope M1 is the world leader in producing True Temperature Maps which are emissivity corrected to produce very precise and very accurate Temperature Maps with spatial resolution better than 2 microns

Full color Temperature Maps can be produced literally within minutes with no special preparation required



Hardware Platforms

Flexibility is our strength because we build our very own Probe Stations we can configure the system exactly to your needs and if you prefer then we can integrate virtually any commercially available analytical Probe Station

Microscope

The Microscope includes our own Medium Wave InfRed Lenses (MWIR Lenses)

We offer the highest range of magnification from 1/6 X magnification lens with a Field Of View all the way to a 20 X lens with a XXX Field Of View

The microscope can be delivered completely manual or fully motorized with full software control, sub-micron resolution

Upgrade Options

- Auto Focus
- High Speed Thermal Transient
- High Spatial resolution Thermoreflectance
- microRaman
- Failure Analysis Techniques
 - Thermal Hot Spot
 - Photo Emission
 - Laser Signal Injection



With or Without CAD

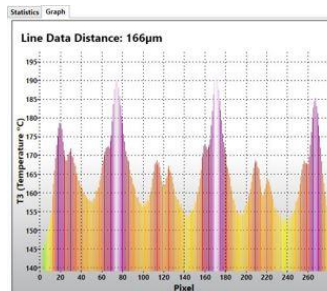
QFI InfraScope systems work independently or alongside Synopsis products for CAD alignment

QFI instrument applications software superimposes the Temperature Map over an imported XRAY or other high resolution die image if required

Remote Control Options

All instrument controls fully accessible via our Remote Command Manager (RCM) application

Statistical and Graph Functions



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