

CA-20D Entry Level Thermal Analyzer

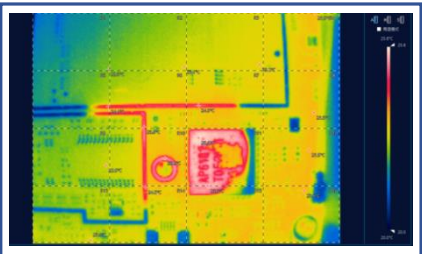
The CA-20D entry-level thermal analyzer can analyze thermal failure, heat conduction and heat distribution of circuit boards and materials. The CA-20D equipped with 256*192 detector resolution, which can not only detect temperature changes of electronic components and heating & heat sink materials, the relatively rich software functions can also record a variety of test data. In addition to meeting all the diagnostic functions of the CA-09D for circuit board repair, the CA-20D can also perform simple thermal analysis data recording and analysis. It is a very cost-effective, entry-level thermal analysis instrument.

Features:

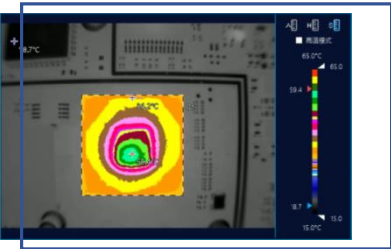
- The focal length can be adjusted, minimum observation distance can reach to 20mm; the maximum distance is recommended to be within 1000mm;
- Connect the computer software via USB cable to perform relevant analysis;
- Supports the joining of double boards to expand the floor area;
- Multi-axial bracket allows observing objects from different angles;
- The ambient temperature and thermal imaging temperature can be displayed simultaneously through temperature sensor;
- Meets the data recording requirement of 80ms for full-screen temperature video streaming;



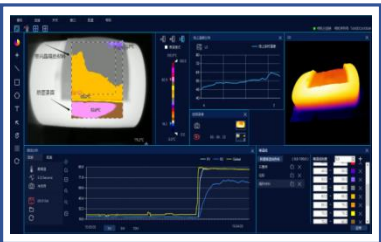
Parameter	Specification
IR resolution	256x192
Frame rate	25Hz
FOV	42° (H)× 32.1° (V)
Lens	4mm
Measurement range	-10~550℃（14°F~1022°F）
Accuracy	±2℃ or ±2% of reading, whichever is greater
Interface	USB Type--C
Base board	One pcs
Rotary knob	4 knobs, up/down, lens: slight adjust, lens: forward/back, lens: slope adjust
External device	USB temperature sensor
Board size	Single board: 220mm x 172mm, height 241mm;
Weight	1.5KG
Working temp	-10℃~50℃（14 ° F ~122 ° F）
Working humidity	<95%
Configuration software	Professional Edition Analysis Software
Computer configuration	Win10(recommend) win7, i3 above, 4G above memory
Software upgrade	Connect to internet for auto or manual upgrade
Software features	Curves, isotherms, real-time and offline video analysis, point, line and polygon temperature measurement, temperature alarm, three video recording methods, EXCEL data recording, dynamic and fixed range, synchronous display of ambient temperature, 3D temperature field, adjustable emissivity



Divide the screen equally for temperature measurement

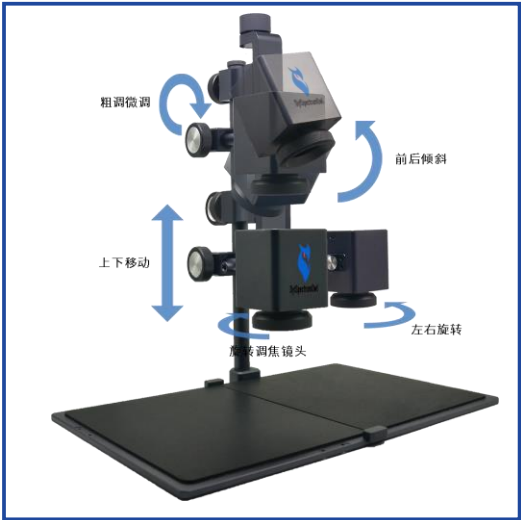


Different colors represent different temperatures

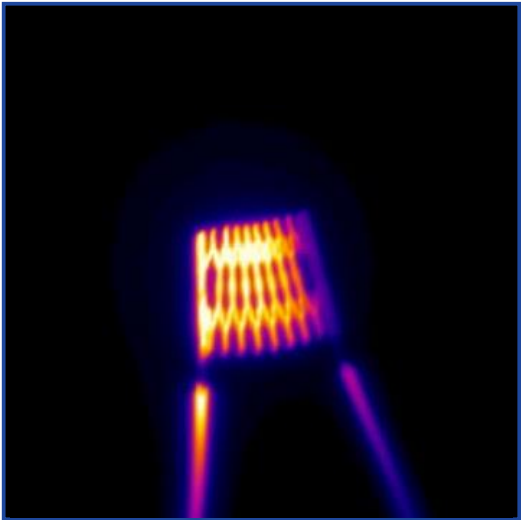


Material insulation analysis

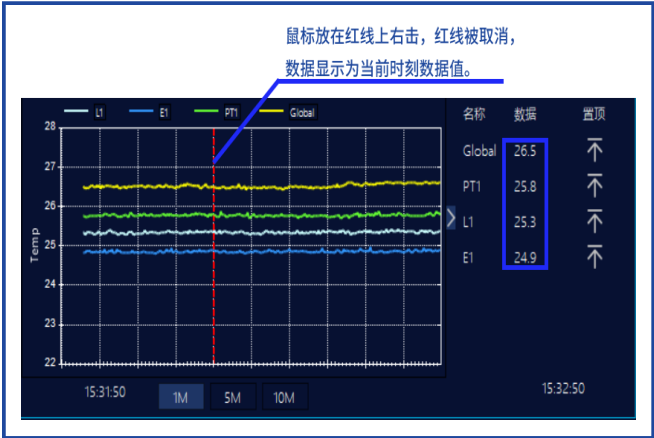
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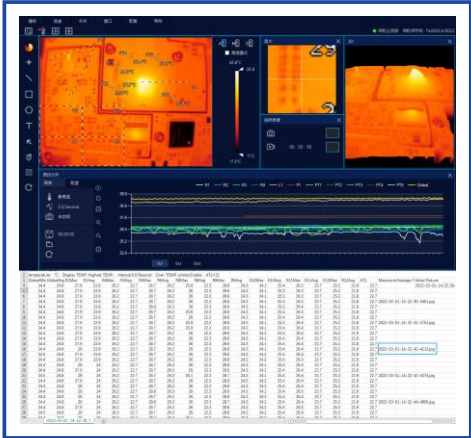
Can quickly adjust position, also the manual focus lens enable clear image no matter far or close distance



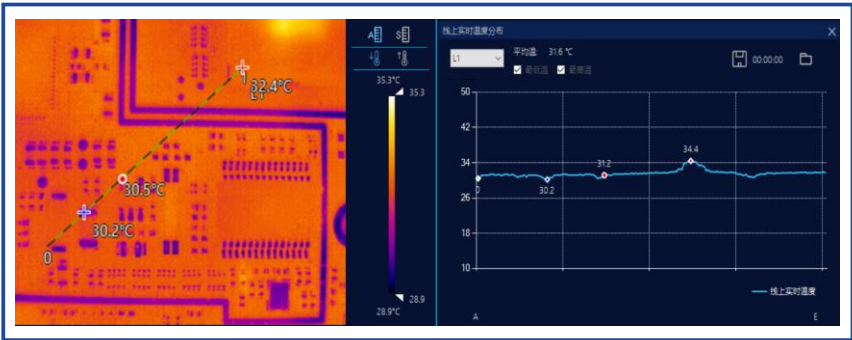
Observe small thermally conductive material's conductivity



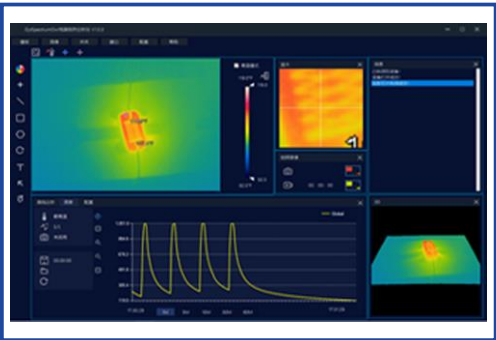
Minimum 80ms data recording



Off line analysis of full radio metric thermal video



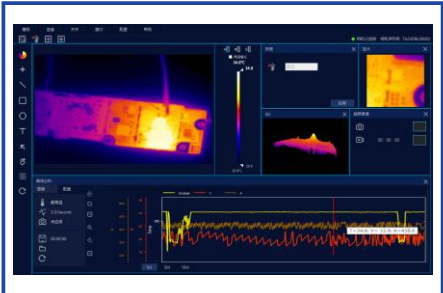
Temperature analysis of multiple points of line



Strong software powerful functions



Support to connect external temperature sensor to display thermal temperature and ambient temperature simultaneously



Strong trend recording function