

FADOS9F1

FAULT DETECTOR & OSCILLOSCOPE 9 FUNCTIONS IN 1



Features:

1. Double-Channel Fault Detection (VI Graph)

Comparing solid and faulty card without giving energy

2. Fault Detection by Comparison from Memory

Comparison of stored VI graphs with actual records from a failing PCB for easy troubleshooting and fault finding.

3. Equivalent Circuit Diagram ***

Display of Composing R, C and Diode Circuit diagram according to the touched point.

4. Measuring of Resistor, Capacitor, and Diode ***

Measuring of values on the composing diagram.

5. Double-channel Digital PC Oscilloscope

As occasion may require, device can be used as oscilloscope

6. 0.2... 25KHz Square Wave Signal Output

Ch.1 is used as oscilloscope and Ch.2 is used as signal generator

7. Analogue Voltage Output (2,5 mV Sensitivity)

Ch.1 is used as oscilloscope and Ch.2 gives analog voltage output

8. Programmable (Voltage and Current) DC Power Supply Output ***

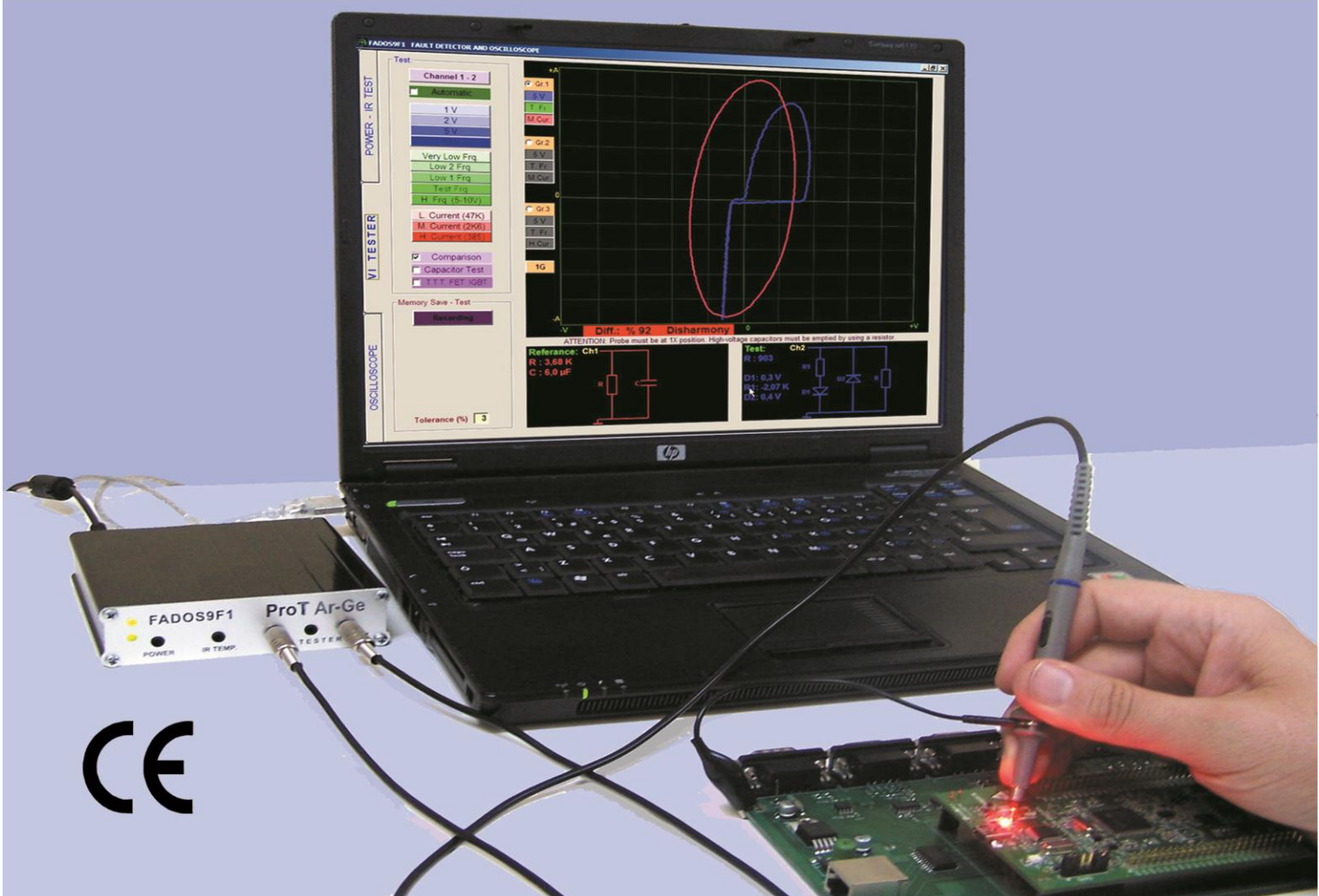
For giving energy to card and creating Power DC Voltage-Current Graph

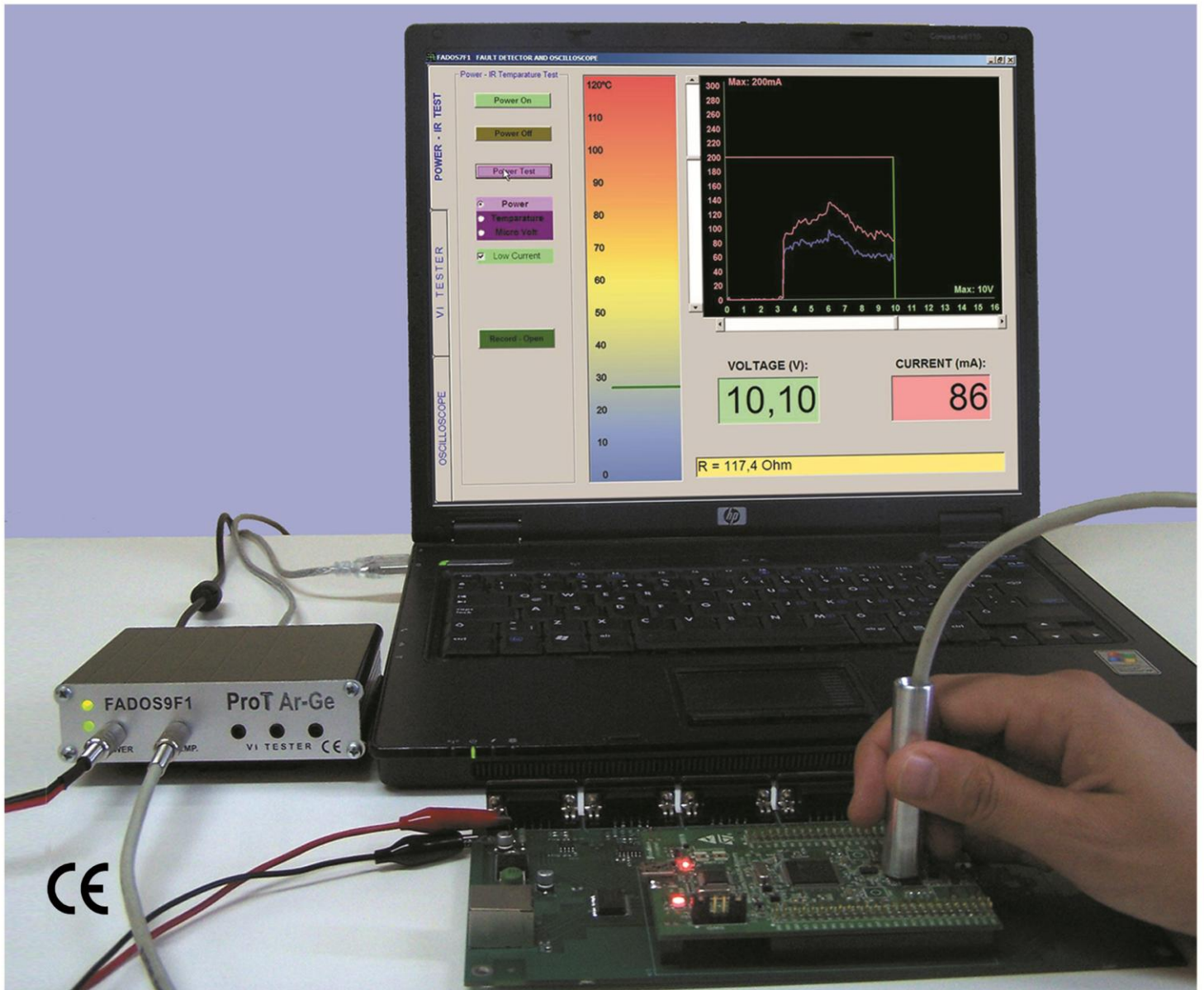
9. Non Touched IR Temperature Probe ***

For detecting more heated components and draw out heat map of card.

*** These Functions are Unique Features

The easiest way to find fault in circuit board is using FADOS.





FADOS 9F1 was designed by adding 2 new unique features to FADOS 7F1.

First feature is integrated DC power source. It can be programmable 0 to 16V and 20 to 1500mA with power output; DC voltage / current graph of electronic cards power is created. Second feature is IR (infrared) non-touched temperature sensor for detecting more heated components. These features can be used as new technique fault detection.

In this techniques, power cable is connected the input of solid card and set maximum voltage. Click "Power Test" button; software creates 100mV steps DC voltage-current graph from 0 to Vmax. and saves a file. After waiting a few minutes, it will be easy to detect more heated components and draw out heat map of electronic card.

For testing faulty cards; solid electronic graph opens. Maximum current is determined and after click "Power Test" button, created faulty card's supply graph. If more current is suffering from faulty card via IR Sensor by controlling the temperature of the components that more heated components are determined in a short time. If the faulty card is less current, in this case supply line is open circuit likely. In this case, open oscilloscope screen and find line which does not get energy and broken-line is easily detected. If the faulty card and solid card has same graphs; in this case opens VI tester screen and finds faulty with it.

FADOS 9F1 is uses for microvolt measurement and also it has an output port for adding multiplexer module, FADOS 9F1 includes 5-6 different products features and is more advanced, innovative, unique a product.



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