

Impedance Analyzer

6632

Features

- Frequency range: DC, 10Hz to 1/3/5/10/20/30MHz/50MHz
- Basic accuracy up to $\pm 0.08\%$ (typical $\pm 0.05\%$)
- Automatic Level Control (ALC)
- Output impedance $25\Omega/100\Omega$, switchable
- Using with DC bias current test system
- Support meter mode and list mode, sweep mode, and equivalent circuit analysis (option) function
- Built-in DC Bias voltage $\pm 12V$
- Measurement of piezoelectric element admittance circle, and can measure DC bias characteristic of capacitance value.
- Ultra-high measuring speed < 3ms
- Open circuit/short circuit/load correction function
- Up to four parameters can be selected in the electric meter mode. The inductance and DCR values can be measured and displayed simultaneously
- Auto component classification: Comparator function and Handler BIN classification function
- Can be used with various fixtures, such as: liquid dielectric material test fixture, dielectric material test fixture and magnetic material test fixture etc.
- Support RS-232, GPIB, Handler, LAN, USB Host/Device interfaces
- Using in R & D department, process development and laboratory
- PC connection data analysis software is available



CE RS-232 Handler USB Host/Device GPIB LAN

Applications

Passive Components: Capacitor, Inductor, Resistor, Transformer, Ceramic resonator, Quartz Crystal

Semiconductor Components: The CV characteristics analysis of varactor diodes, Diodes

Dielectric Material: Estimation on permittivity and consumption tangent of plastic, ceramic and PCB

Other Components: Estimation of the impedance of PCB components

Accessories / Fixtures

Standard Accessories

- Power Cord
- DIP Test Fixture (FX-000C19)



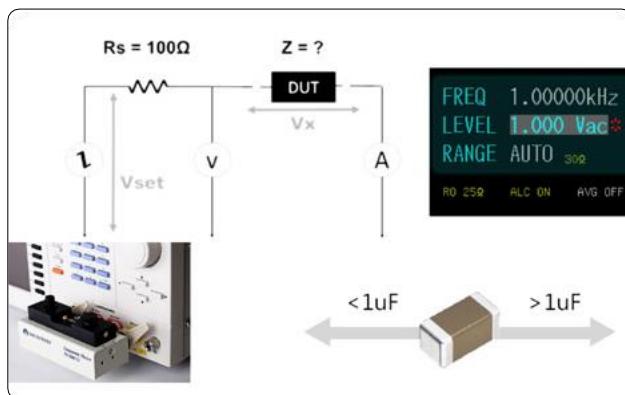
Optional Accessories

- PC Link software

 F423906A Kelvin Clip Leads (with BNC Box)	 F423503 DIP Test Fixture	 F423504 DIP Test Fixture
 FX-0000C6 DIP Test Fixture	 F423905 SMD Test Fixture	 FX-000C10 Bottom Electrode SMD Test Fixture
 FX-000C11 SMD Tweezer Test Leads	 FX-000C12 SMD Test Fixture	 FX-0000C7 Dielectric Material Test Fixture
 FX-0000C8 Magnetic Material Test Fixture	 FX-000C20 Liquid Dielectric Material Test Fixture	 F663001 A/B/C BNC Test Leads
 FX-0000C9 Material Testing Fixture	 FX-000C20 Liquid Dielectric Material Test Fixture	 F420001 External Voltage Bias($\pm 200V/1MHz$)
 F420003 External Voltage Bias ($\pm 40V/1MHz$)	 F420005 External Voltage/ Current Bias ($\pm 40V/ 100mA$)	 F420006 External Voltage Bias ($\pm 2000V/1MHz$)
 FX-LR0001 Automatic Level Compensation Fixture		

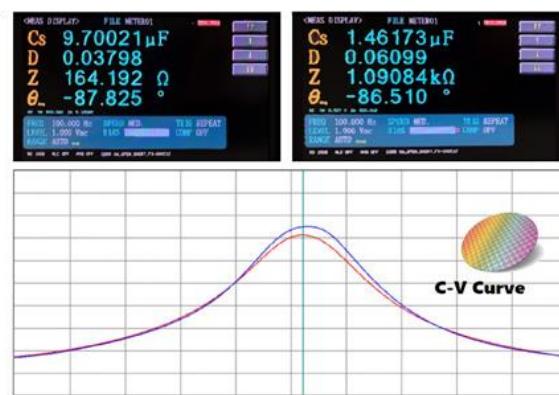
6632 Key Features

A Function Introduction



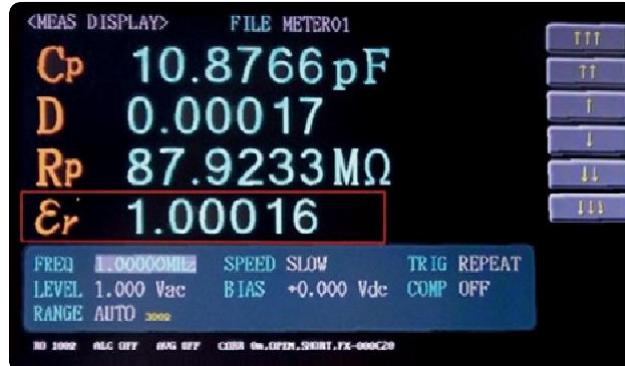
Output Impedance 25Ω/100Ω and Auto Level Control (ALC)

The key parameters for capacitance are Cs/Cp/D/Q/ESR/DC Bias Voltage.



Evaluation of DC bias voltage characteristics with semiconductor wafer or ceramic multilayer capacitors

Multi-layer ceramic capacitors (MLCC) DC Bias measuring value from 9.7uF decrease to 1.46uF.



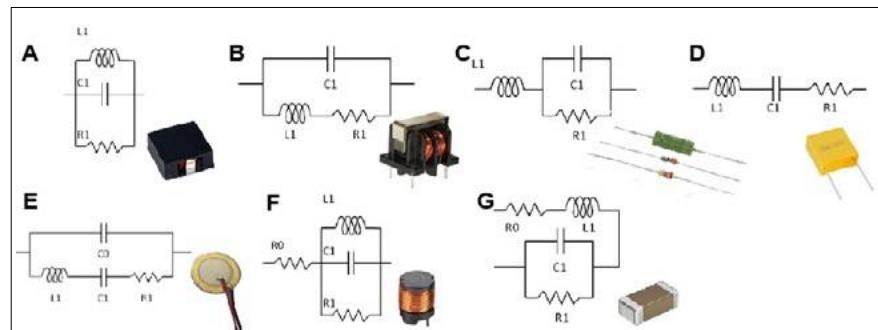
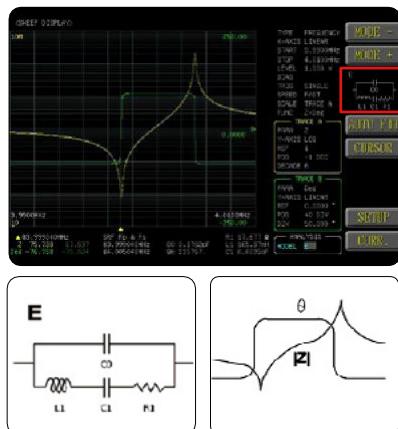
Liquid Dielectric Material Test Fixture (C20)/Dielectric Material Test Fixture (C7)

Using C20 for measuring the characteristics of electrochemical materials and using C7 or measuring PCB board or ceramic board.



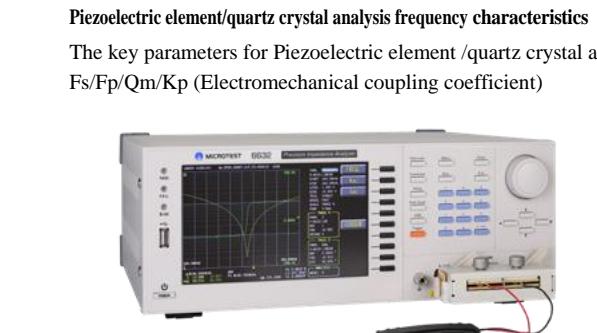
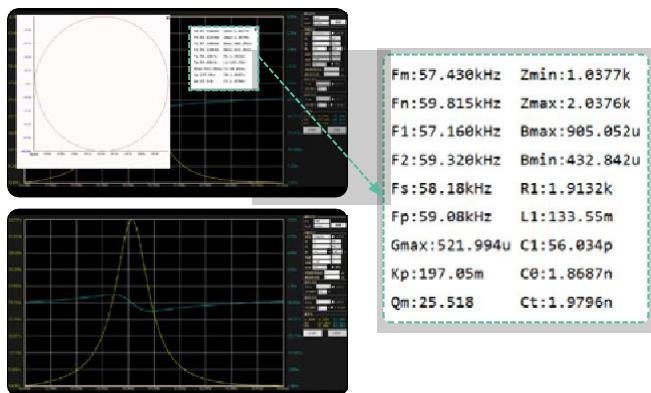
Magnetic Material Test Fixture (FX-0000C8)

Using the magnetic material test fixture for measuring of permeability of various toroidal cores or ferrite cores and electromagnetic shielding coating materials, 6630 built-in formula to directly calculate the permeability coefficient value μ' , μ'' .



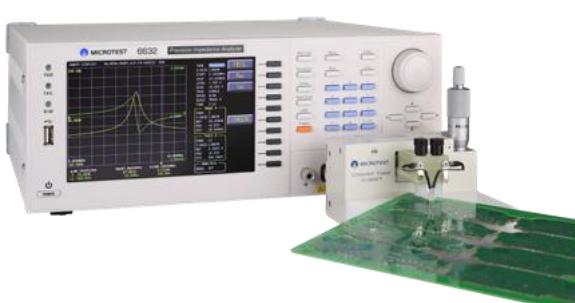
Equivalent Circuit Analysis

It has seven different models, combine with different types of parameters (R, L, C), you can see three or four elements value, and self-resonant frequency (SRF). You can simulate the impedance trace of your own equivalent circuit parameter values and then compare it with an accrual measurement trace.



Evaluation impedance characteristics of RFID/ NFC/automotive wireless of antennas

Using 6632 impedance analyzer equivalent circuit Analysis function.



Testing PC board inductance coil

The key parameters for 6632 impedance analyzer measuring PC board inductance coil are L/Q/DCR/Rs/SRF.

B Applications

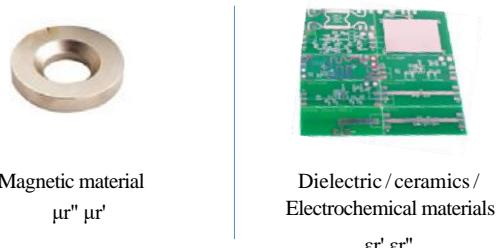
Passive Component



Acoustic Components



Material



Wireless RF/Power Supply



Semiconductor Components



GMGA MEASURING

Address: No. 33 Alley 99/120 Dinh Cong Ha, Dinh Cong Ward, Hoang Mai District, 10000 Hanoi City, Vietnam

Telephone: [+84 845 969 336](tel:+84845969336)

Email: info@gmga.vn

Website: <https://gmga.vn/>