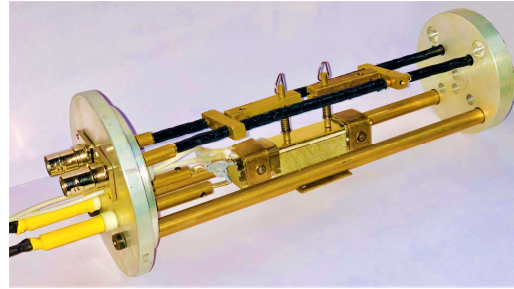
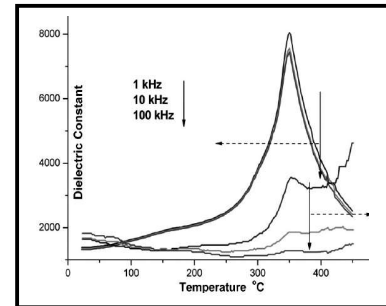


# DIELECTRIC TESTER



## ABOUT THE SYSTEM

A dielectric is an electric insulator that can be polarized by an applied electric field. When a dielectric is placed in an electric field, electric charges do not flow through the material as they do in an electrical conductor but only slightly shift from their average polarization equilibrium positions causing dielectric polarization. Because of dielectric, positive charges are displaced in the direction of the field and negative charges shift in the opposite direction. This creates an internal electric field that reduces the overall field within the dielectric itself. If a dielectric is composed of weakly bonded molecules, those molecules not only become polarized, but also reorient so that their symmetry axis align to the field. Dielectric Tester is designed and developed by our company and has recognition worldwide. Measurement is done by a benchtop LCR meter at fixed frequency.



## MODEL: DT-RT250

Various Test Performed by this Model: L/ C/ R at different temperature

List of Deliverables	
Temperature Stage	Dielectric Software
Benchtop LCR Meter	Inter connecting cables & Manual
High Temperature Sample holder	Standard PZT sample

Technical Specification	
Functions, L+Q, C+D, R+Q,  Z  +Q, R+X, G+B, L+AL	Measurement accuracy 0.2 %
Absolute value, Delta value, % value	Bin function for component sorting
Save & Recall: 25 measurements	Versatile Transformer test function
Temperature RT-250.C	Heating by DC Ceramic Heater
Input 110/220V 50Hz/60Hz	Communication RS232/ USB
Measurement Modes: Auto / Manual L+Q, C+D, R+Q,  Z +q, -1 R+X, G+B, N+q, N +q, Vs+Vp, M, L+AL	Test Frequencies 100 Hz, 120 Hz, 250 Hz, 500 Hz, 1 kHz 2.5 kHz, 5 kHz, 7.8 kHz, 12.5 kHz, 15.6 kHz, 25 kHz

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