

# World Leading High-Accurate Dk/Df Measurement System for High/Low Temperature, -70C to 300C degree

System No. DPS17

Keysight Technologies and KEYCOM Corp.

Ideal solution for  $\epsilon'$ / $\tan \delta$  measurement of sheet, thin film, multi-layer thin film, liquid and gel

《ASTM, JIS Standard compliant》

KEYCOM offers variety of highly accurate measurement systems for dielectric constant and dielectric loss tangent measurement of flat plane, liquid, or gel. Temperature characteristics measurement options between -70° C and +300° C are also available. Your Windows PC with the software controls your E4980A Precision LCR Meter and thermostat/humidistat chamber, automating time-consuming temperature/humidity characteristics measurements.

## Compliance standards

ASTM D-150, JIS C2101, JIS C2141, JIS K6911, JIS C 2111 28.1.2 (B)

## Applications

- Material property evaluation for electronic components
- Semiconductor property evaluation
- Material deterioration evaluation
- Chemical property evaluation

## Specimen examples

- PCB (Prepreg)
- Semiconductor wafer
- Pure Water
- Fruit



E4980A Precision LCR Meter and DPT-009 for sheet, liquid, gel

## Specifications

(when used with E4980A)

Frequency : 20Hz ~ 2MHz

Permittivity : 1.05 ~ 1000

$\tan \delta$  : 0.0005-10@1MHz

## Features

- Measurement example  
Specimen : Glass epoxy board  
Frequency : 1MHz  
Result : Permittivity  $4.69 \pm 2\%$   $\tan \delta$   $0.0227 \pm 2\%$
- DPT-009 : allows you to measure samples of approx. 100 $\mu$ m ~ 2mm in thickness simply and easily, without your having to pasting or sputtering electrodes to the sample.
- DPT-2141: allows you to measure approx. 50 $\mu$ m ~ 2mm in thickness in conformity to the JIS Standard.
- Supports temperature characteristics measurement between -70°C and +300°C.
- Automatic measurement by PC.

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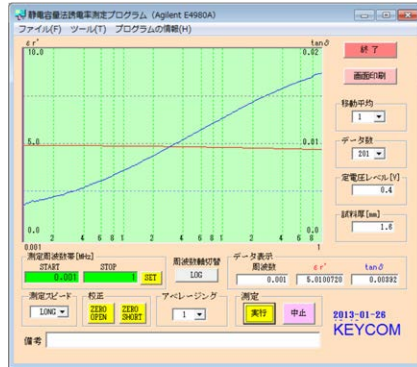
DPT-080 for sheet



DPT-2141 for sheet, plate  
(JIS-C2141 compliant)



DPT-013 for liquid, powder



Measurement window

**KEYCOM**  
Characteristic Technologies

**KEYCOM Corp.**  
3-40-2 Minamitsuka Toshima-ku,  
Tokyo  
170-0005 Japan  
Phone:+81-3-5950-3101  
FAX:+81-3-5950-3380

**KEYCOM USA Corp.**  
533 Airport Blvd. Suite 400  
Burlingame, CA 94010 USA  
Phone: +1-650-685-2477  
FAX: +1-650-373-2002

**www.keycom.co.jp**  
For more information on KEYCOM Corp. products,  
applications or services, please visit our website at  
[www.keycom.co.jp](http://www.keycom.co.jp) or  
e-mail us at E-mail: [Info@keycom.co.jp](mailto:Info@keycom.co.jp)

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**Ordering Information**

Keysight Technologies  
E4980A Precision LCR Meter



KEYCOM Corp.

System No. DPS17

1. Measurement electrode	20Hz – 1kHz .....	DPT-080
	100Hz – 2MHz .....	DPT-009
	100Hz – 2MHz .....	DPT-013-050 (for 50cc) , -200 (for 200cc)
	100Hz – 1MHz .....	DPT-2141
2. Software	DMP-002040705-05	
3. Windows PC, Printer	Available upon request	
4. GPIB interface	GP-01	

Product specifications and descriptions in this document subject to change without notice.

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