**Test Frequency:** 12 Hz to 200 kHz

**Continuously Variable Frequencies**

**0.05% Accuracy**

**100 Sets Memory for Save/Recall of Setup State**

**R/Q, C/D, C/R, L/Q, Z/θ, L/R Test Modes**

**Absolute Value, Δ Value, & Δ% Measure display**

**240 x 128 dot Matrix LCD Display**

**Test Condition and Test Result shown on the Screen Simultaneously**

**RS-232C Interface**

**DESCRIPTION**

The 7033 LCR Meter has a basic measurement accuracy of 0.05%. It is most useful in application areas that need both high stability and high accuracy test criteria. Frequency coverage from 12 Hz to 100 KHz provides versatile parameter-to-frequency measurements to the device under test. The variable test signal voltage from 5 mV to 1.275 V and the internal/external DC bias selection simulates the real operation condition of DUT. Features include a 240 x 128 high resolution LCD display to show both the test condition and the test result simultaneously, the keypads for menu programming, and the 100 sets of memory to store/recall setup state.

**SPECIFICATIONS**

**TEST FREQUENCY**

12Hz ~ 200kHz (504 steps)

**BASIC ACCURACY**

0.05%

**TEST SPEED**

5mV ~ 1.275Vrms (5mV/step)

**DC BIAS**

Internal: 2V / External: 0 ~ 35V

**DISPLAY RANGE**

- **Resistance**
  R 0.00001Ω ~ 99999kΩ

- **Capacitance**
  C 0.00001pF ~ 99999uF

- **Inductance**
  L 0.00001mH ~ 99999H

- **Quality Factor**
  Q 0.0001 ~ 9999

- **Dissipation Factor**
  D 0.0001 ~ 9999

- **Impedance**
  |Z| 0.00001Ω ~ 99999kΩ

- **Phase Angle (Degree)**
  θ -180.00° ~ 180.00°

**TEST MODE**

Z/θ, L/R

**EQUIVALENT CIRCUIT**

Parallel or series selectable

**MEMORY**

100 memory blocks total

**AVERAGE**

1 to 255 times

**TEST SPEED MODE**

SLOW, MEDIUM and FAST

**DISPLAY MODE**

Value, Δ, Δ%

**DISPLAY**

240 x 128 dot matrix C.C.F.L back light LCD

**INTERFACE**

RS-232C

**MODULE WIDTH**

380mm (primary console fitting only)

**ORDERING INFORMATION**

7033............................. Precision LCR Meter Module

Options.......................... Test Leads - contact us for details