



- **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

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.