

OMEGA TYPE ICT-007 Linear I.C. Tester can be used for testing a large variety of linear I.C.'s. "IS THE DEVICE DEFECTIVE or is it the circuit" ? That is probably one of the most common question in circuit design. The question is quickly answered for most devices with readily available component testers, transistor curve tracer, digital I.C. tester and other equipments. But for linear integrated circuits, what needed is a laboratory tester that can quickly check the vital operating parameters of an IC under test. Some of the most commonly used, linear integrated circuits are operational amplifiers, voltage regulators, differential comparators, video amplifiers, timers and function generators. These can be efficiently tested on this Linear I.C. Trainer.



SPECIFICATIONS

- 01 The unit is absolutely self contained, but for certain special parameter measurements of operational amplifier and video amplifier, CRO, RF. Oscillator and Wide Band AC. Millivoltmeter are needed.
- 02 It has four highly stable I.C. Regulated Power Supplies, Two variable power supplies 0-1V and 0-10V on the panel.
- 03 The following main parameters of the corresponding ICs that can be measured with the help of Linear I.C. Tester OMEGA TYPE ICT-007:

VOLTAGE REGULATORS 723

- 1.1 Reference Voltage
- 1.2 Load Regulation
- 1.3 Line Regulation

VOLTAGE REGULATORS 3085

- 1.1 Reference Voltage
- 1.2 Load Regulation
- 1.3 Line Regulation

03 OPERATIONAL AMPLIFIER 741, 709, 747

General Performance (Open Loop gain, output swing, linearity)

- 3.1 Input Offset Voltage
- 3.2 Input Bias Current
- 3.3 Common Mode Rejection Ratio
- 3.4 Slew Rate

04 DIFFERENTIAL COMPARATOR 710

- 4.1 General Performance
- 4.2 Bias Current
- 4.3 Common Mode Rejection Ratio
- 4.4 Input offset Voltage

05 DIFFERENTIAL VIDEO AMPLIFIER 733

- 5.1 Differential Voltage Gain
- 5.2 Input Resistance
- 5.3 Output Resistance
- 5.4 Common Mode Rejection Ratio
- 5.5 Frequency Response

06 TIMER 555

- 6.1 Linearity and accuracy of output in a stable mode.

07 FUNCTION GENERATOR 566

- 7.1 Linearity and accuracy of output in a stable mode.

08 Different types of I.C. bases are provided so that IC in any possible package can be tested.

09 A continuously variable transistorized load is provided for load regulation test of voltage regulator ICs.

10 65 mm square current meter 0-150mA is provided on the front panel for the load regulation test of voltage regulator ICs.

11 Three range 65 mm square voltmeter 0-1V, 0-3V and 0-30V is provided on the front panel. These ranges can be selected with the help of a band switch.

12 Mode selector switch for each type of IC is provided to monitor the different parameter tests.

13 Different input and output sockets are provided on the panel.

14 Weight : 7.00 Kg. (Approx)

15 Dimension : W 415 x H 165 x D 315

16 Strongly supported by detailed Operating Instructions.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

Works:

28E & F, Malviya Industrial Area,
Jaipur-302 017 (INDIA)
Phone: 0141-2751559

E-mail : info@omegaelectronics.net
omegajipur62@gmail.com

www.omegaelectronics.net

Marketing Division:

B-28, Fateh Singh Scheme, Opp. Rajputana
Palace Sheraton, Jaipur-302006 (INDIA)
Phone : 091-141-2375647, 2379223