

OMEGA TYPE CT-163 Component Testers are useful for testing of a large variety of components in a very short time duration. Details of Individual Testers are as follows:

01 CRYSTAL TESTER:

Indication:

For good crystal Indicator LED will glow but for bad crystal it will not glow.

FEATURES:

- 01 Designed to test any type of crystal Of frequency 1MHz to 1000 MHz.
- 02 2mm Socket for Crystal & 2mm Banana pin with Three Crocodile clips are provided.

02 DIODE TESTER

Indication:

Two LED's are provided showing: Open Diode - If both LED's are OFF. Short Diode - If both LED's are ON. Good Diode - If one LED glows. Leaky Diode - If one glows fully & other dim.

FEATURES:

- 01 Indicates whether diode is open circuit, short circuit & if working, its polarity
- 02 Silicon & Germanium, both types of diodes can be tested.
- 03 2mm socket for Diode Tester & 2mm Banana Pin With Three Crocodile clips are provided.

03 F.E.T. TESTER

Indication:

For good FET, the meter reading vary continuously between a maximum position to a minimum position. For a bad FET, either there is no response in the meter or it holds at one point.

FEATURES:

- 01 Designed to test almost all FET's.
- 02 Digital ammeter and 2mm socket for FET Tester & 2mm Banana Pin with Three crocodile clips are provided.

04 VOLTAGE REGULATOR TESTER FOR 78/79 SERIES

Indication:

For good regulator, O/P voltage will be as specified

FEATURES:

- 01 0-30V variable D.C. Power supply provided for input to regulator.
- 02 A Voltmeter is provided with mode selected by band Switch.
- 03 I.C. sockets & 2mm sockets for voltage Regulator & 2mm Banana Pin with Three crocodile clips are provided.
- 04 All voltage regulators of 78/79 series can be tested.

05 LED TESTER

Indication:

Two LED's are provided showing:
Open LED - If both LED's are OFF. Short LED - If both LED's are ON. Good LED - If one LED glows.

FEATURES:

- 01 Ordinary Diodes can also be tested in same way.
- 02 2mm socket for LED Tester & 2mm Banana Pin with Three crocodile clips are provided.



06 TRANSISTOR TESTER :

Indication:

For good NPN Transistor Green LED will glow and for bad Transistor LED will not glow.

For good PNP Transistor Red LED will glow and for bad Transistor LED will not glow.

FEATURES:

- 01 NPN & PNP both type Transistor can be test.
- 02 2mm Socket for Transistor Tester & 2mm Banana Pin with Three crocodile clips are provided.

07 U.J.T. TESTER:

Indication:

For good U.J.T. LED will glow and for bad not glow.

FEATURES:

- 01 All U.J.T.'s can be tested.
- 02 2mm Socket for UJT Tester & 2mm Banana Pin with Three crocodile clips are provided.

08 IC-555 TIMER TESTER

Indication:

Two LED's are provided showing: I.C. good - if LED's flash ON & OFF. I.C. bad - if only one LED glows.

FEATURES:

- 01 Test frequency is 0.5 Hz.
- 02 Two IC bases are provided one round & other flat.

09 SCR AND TRIAC TESTER

Indication:

Mode switch to D.C. position : With good specimen under test, on pressing the push button, the indicating lamp lights on continuously. For leaky specimen the light will be partially glowing even without pressing the push button. For a short & bad specimen the light will be glowing fully even without pressing the switch. 2. Mode switch to A.C. position: In this case the glow of lamp will be half on test, by pressing the push button.

FEATURES:

- 01 Designed to test SCR and TRIAC for good, bad and leaky.
- 02 2mm Socket for SCR and Triac Tester & 2mm Banana Pin with Three crocodile clips are provided.

CONTINUE-----2

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

10 OP/AMP TESTER (741 AND EQUIVALENT PIN CONNECTION)

Indication:

Two LED's are provided showing I.C. good - if LED's flash ON & OFF I.C. bad - if only one LED glows.

FEATURES:

- 01 Useful for reliable testing of 741 and equivalent pin connection Op-Amps
- 02 One round, two 8 pin & 14 pin I.C. Bases are provided.

11 PHOTO TRANSISTOR

Indication :

For good photo Transistor Green LED will Glow. for bad it will not glow.

Features:

- 01 Designed to test all type of Light sense photo transistor.
- 02 2mm socket for Photo Transistor Tester & 2mm Banana Pin with Three crocodile clips are provided.

12 ZENER DIODE TESTER:

Indication:

Zener voltage indication by Voltmeter.

Features:

- 01 Zener voltage range upto 22V at seven different Zener currents in the range of 2.22, 6, 8.2, 22.2, 24.4, 28.2 & 30 mA.
- 02 2mm socket for Zener Diode Tester & 2mm Banana Pin with Three crocodile clips are provided.

REGULATED POWER SUPPLY 0-30V AT 100mA DC

Features:

This Power supply is used in Block 04 Regulator Taster & Block 12 for Zener Diode Tester

13 IN CIRCUIT TRANSISTOR TESTER

Indication:

Two LED's are provided showing: Good transistor- if either of LED's glow indicating NPN/PNP. Bad transistor if both LED's flash Extinguish.

Features:

- 01 Useful upto circuit Impedance of 40 Ohms
- 02 Testing of suspected transistor can be done without unsoldering from the circuit.
- 03 2mm socket for IN Circuit Transistor Tester & 2mm Banana Pin with Three crocodile clips are provided.

14 THERMISTOR NTC/PTC

Indication:

For Good NTC/PTC LED's will Glow. For Bad LED's is not glow

Features:

- 01 Designed to test all most all NTC/PTC
- 02 2mm socket for Thermistor Tester & 2mm Banana Pin with Three crocodile clips are provided.

15 LDR TESTER

Indication:

For good LDR Indicator LED will glow but for bad LDR it will not glow.

Features:

- 01 Designed to test any type of LDR
- 02 2mm socket for LDR Tester & 2mm Banana Pin with Three crocodile clips are provided.

16 DIAC TESTER

Indication:

For good DIAC Indicator LED will Blink but for bad DICA it will not glow.

Features:

- 01 Designed to test any type of DIAC
- 02 2mm socket for Diac Tester & 2mm Banana Pin with Three crocodile clips are provided.

17 MOSFET TESTER

Indication:

For good MOSFET Indicator LED will glow but for bad MOSFET it will not glow.

Features:

- 01 Designed to test any type of MOSFET
- 02 2mm socket for Mosfet Tester & 2mm Banana Pin with Three crocodile clips are provided.

18 PHOTO DIODE

Indication:

For good Photo Diode Indicator LED will glow but for bad Photo Diode it will not glow.

Features:

- 01 Designed to test any type of Light Sense Photo Diode
- 02 2mm socket for Photo Diode & 2mm Banana Pin with Three crocodile clips are provided.

GENERAL FEATURES

- 01 All the units are self contained & require no other apparatus.
- 02 Mains ON/OFF switch, Fuse and Jewel light.
- 03 The unit is operative on 230V ±10% at 50Hz A.C. Mains.
- 04 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections.
- 05 Strongly supported by detailed Operating Instructions
- 06 Weight : 3.0 Kg. (Approx.)
- 07 Dimension : W 415 x H 165 x D 315

LIST OF ACCESSORIES:

- 01 2mm Banana Pin with Three crocodile clips length 50cm..... 01

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