

ME 542 Voltage Stabilization Characteristics of Zener Diode



Technical Specifications :

Output voltages (Regulated) : 0-30V DC
 Meters (Analog) 65mm Round : 0-10V DC, 0-30V DC
 Housed in PVC cabinet, symbol diagram printed, connections of various components (Zener Diodes 5.1V & 8.2V, Series Resistance, Load Resistances- selectable through Band Switch) & all important outputs brought out at Bakelite front panel.
 Also provided with patch chords & instruction manual.

ME 542D – do– same as ME 542 but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.

ME 542P – do– same as ME 542 but with Aluminum Panel, 3.5 digit LED digital panel meters & detachable power chord.

ME 542RF Zener Diode Characteristics Apparatus

Objective : Forward & reverse V-I characteristics of Zener Diode.



Technical Specifications :

Output voltages (Regulated) : 0-15V DC
 Meters (Analog) 65mm Round : 0-15V DC, 150uA DC/15mA DC (Dual range)
 Housed in PVC cabinet, symbol diagram printed, connections of various components (Zener Diode, Series Resistance) & all important outputs brought out at Bakelite front panel.
 Also provided with patch chords & instruction manual.

ME 542RFD– do– same as ME 542RF but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.

ME 542RFP– do– same as ME 542RF but with Aluminum Panel, 3.5 digit LED digital panel meters & detachable power chord.

ME 543 PN / Zener Diode/ LED Characteristics Apparatus

Objective : Forward and Reverse bias V-I characteristics of PN Junction Diode, Zener diode & forward bias characteristics of a LED.

Technical Specifications :

Output voltage (Regulated) : 0-3V/30V DC (Selectable)
 Meters (Analog) 65mm Round : 0-3V/30V DC (Dual Range), 0-100uA/ 10mA DC (Dual Range).

Housed in PVC cabinet, symbol diagram printed, connections of various components (PN Junction Diode 0A 79, Zener Diode 5.1V, LED's (Red, Green & Yellow)) & all important outputs brought out at Bakelite front panel.
 Also provided with patch chords & instruction manual.

ME 543D – do– same as ME 543 but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.



ME 544 Energy Band Gap Apparatus

Objective : Reverse saturation current Vs temperature in reverse biased PN junction Diode.

Technical Specifications :

Output voltages (Regulated) : 0-20V DC
 Meters (Analog) 65mm Round : 0-20V DC, 0-50uA DC
 Housed in PVC cabinet, Electric Oven, Glass Thermometer 100 °C mounted & symbol diagram printed on Bakelite front panel.
 PN junction diode placed inside the oven & connections of all important outputs brought out at front panel.
 Also provided with patch chords & instruction manual.

ME 544D – do– same as ME 544 but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.

