

Characteristics & Applications

ME 557 Opto Electronic Devices Characteristics Apparatus

Objective: Characteristics of the phototransistor, photo diode, light dependent resistor (LDR) and LED.

Technical Specifications :

Output voltage (Regulated) : 0-3V DC

Meters (Analog) 65mm Round : 0-3V DC,
0-50 μ A DC/5mA (Dual Range)

Housed in PVC cabinet, symbol diagram printed, connections of various components (Photo Transistor, Photo Diode & LDR) & all important outputs brought out at Bakelite front panel.

Also provided with LDR, Photo Diode & Photo Transistor mounted in separate suitable boxes, one Wooden Plank with $\frac{1}{2}$ meter scale, Lamp holder with suitable Bulb, patch chords & instruction manual.

ME 557D – do– same as ME 557 but with Aluminum panel, analog rectangular deluxe meters (60x35mm) & detachable power chord.

ME 557P – do– same as ME 557 but with Aluminum panel, 3.5 Digit LED digital panel meters & detachable power chord.

ME 558 Photo Diode Characteristics Apparatus

Objective: Forward and reverse characteristics of a photo diode at different intensities of light.

Technical Specifications :

Output voltage (Regulated) : 0-3V DC

Meters (Analog) (Dual Range) : 0-3V DC, 0-50 μ A/5mA DC

Housed in PVC cabinet, symbol diagram printed & connections of all important outputs brought out at Bakelite front panel.

Also provided with Photo Diode mounted in the suitable box, one Wooden Plank with $\frac{1}{2}$ meter scale, Lamp holder with suitable Bulb,

patch chords & instruction manual.

ME 558D – do– same as ME 558 but with Aluminum panel, analog rectangular deluxe meters (60x35mm) & detachable power chord.

ME 558P – do– same as ME 558 but with Aluminum Panel, 3.5 digit LED digital panel meters & detachable power chord.

ME 559 Photo Transistor Characteristic Apparatus

Objective: Char. of phototransistor at different intensity of Light.

Technical Specifications :

Output voltage (Regulated) : 0-3V DC

Meters (Analog) 65mm round : 0-3V DC, 0-10mA DC

Housed in PVC cabinet, symbol diagram printed & connections of all important outputs brought out at Bakelite front panel.

Also provided with Photo Transistor mounted in the suitable box, one Wooden Plank with $\frac{1}{2}$ meter scale, Lamp holder with suitable bulb, patch chords & instruction manual.

ME 559D – do– same as ME 559 but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.

ME 559P – do– same as ME 559 but with Aluminum Panel, 3.5 Digit LED digital panel meters & detachable power chord.

ME 560 Measurement of Peak, Average & RMS value of the AC signal

Instrument comprises of inbuilt Audio Oscillator, 9VAC output, two Meters of 10VAC & 15 VDC.

Also provided with patch chords & instruction manual.

ME 560D – do– same as ME 560 but with Aluminum Panel, Analog Rectangular deluxe meters (60x35mm) & detachable power chord.

ME 561 Verification of KCL & KVL



Technical Specifications :

Output voltage (Regulated) : 0-3V DC

Meters (Analog) 65mm Round : 0-3V DC, 0-250mA

Housed in PVC cabinet, circuit diagram printed, connections of various Resistances & all important outputs brought out at Bakelite front panel. Also provided with patch chords & instruction manual.

ME 561D – do– same as ME 561 but with Aluminum panel, analog rectangular deluxe meters (60x35mm) & detachable power chord.

ME 561P – do– same as ME 561 but with Aluminum panel, 3.5 digit LED digital panel meters & detachable power chord.

ME 562 Resistance in Series and Parallel Apparatus

Objective: Effect on the value of two or more resistance when connected in series and parallel.



Technical Specifications :

Output voltage (Regulated) : 10V DC

Meters (Analog) 65mm Round : 0-10V DC, 0-250mA

Housed in PVC cabinet, circuit diagram printed, connections of various Resistances & all important outputs brought out at Bakelite front panel. Also provided with patch chords & instruction manual.

ME 562D – do– same as ME 562 but with Aluminum panel, analog rectangular deluxe meters (60x35mm) & detachable power chord.

ME 562P – do– same as ME 562 but with Aluminum panel, 3.5 digit LED digital panel meters & detachable power chord.