Order Code – 25269126.4 Industrial Electronics Circuits Trainer with Nine Module and Function Generator & DC Power Supply

Key Features-

The Industrial Electronics Circuits Trainer should consist of following nine modules with Function Generator and DC Power Supply:

Module-1: UJT and PUT Circuits

- Experiment 1: UJT Volt-ampere Characteristic Curve Measurement
- Experiment 2: UJT Relaxation Oscillator
- Experiment 3: UJT Equivalent Circuit
- Experiment 4: PUT Volt-ampere Characteristic Curve Measurement

Experiment 5: PUT Relaxation Oscillator

Module-2: SCR and GTO Circuits

- Experiment 1: SCR Characteristic Measurement
- Experiment 2: SCR Phase Angle Controlled Circuit
- Experiment 3: Zener and SCR Circuit
- Experiment 4: GTO Characteristic Circuit
- Experiment 5: GTO Oscillation Circuit

Module-3: DIAC and TRIAC Circuits

- Experiment 1: Zener Breakdown Characteristic Measurement
- Experiment 2: DIAC Characteristic Measurement
- Experiment 3: DIAC and TRIAC Circuit
- Experiment 4: Zener and TRIAC Circuit
- Experiment 5: PUT and TRIAC Circuit

Module-4: SCS and SSR Circuits

- Experiment 1: SCS Characteristic Measurement
- Experiment 2: SCS Equivalent Circuit

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

Export Sales: +91-9829132777
India Sales: +91-9588842361
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Jaipur-302022, India.
info@tesca.in
www.tescaglobal.com

- Experiment 3: SCS and SCR Circuit
- Experiment 4: SSR DC Output Circuit
- Experiment 5: SSR AC Output Circuit

Module-5: SBS Circuits and Temperature Sensors

- Experiment 1: SBS Characteristic Measurement
- Experiment 2: SBS and TRIAC Circuit
- Experiment 3: Temperature Sensor Using SCR and LM335
- Experiment 4: Temperature Sensor Using SCR and TC620

Module-6: Optical Elements and Application Circuits

- Experiment 1: Photoresistor Circuit
- Experiment 2: Photo Interrupter/Photo Coupler Circuit
- Experiment 3: Photodiode Circuit
- Experiment 4: Phototransistor Circuit

Module-7: MOSFET and Application Circuits

- Experiment 1: MOSFET Characteristic Measurement
- Experiment 2: MOSFET Regulator
- Experiment 3: MOSFET Full Bridge Circuit
- Experiment 4: MOSFET PWM Controlled Circuit
- Experiment 5: MOSFET and PUT Circuit

Module-8: BJT and IGBT Application Circuits

- Experiment 1: BJT Characteristic Measurement
- Experiment 2: BJT Full Bridge Circuit
- Experiment 3: BJT PWM Controlled Circuit
- Experiment 4: IGBT Characteristic Measurement
- Experiment 5: IGBT PWM Controlled Circuit

Module-9: SCR/SCS/DIAC/TRIAC Application Circuits

- Experiment 1: SCR Application Circuit
- Experiment 2: CdS and SCR Application Circuit
- Experiment 3: DIAC and TRIAC Application Circuit
- Experiment 4: SCS and SCR Application Circuit

Function Generator & DC Power Supply Module:

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

- Waveforms: Sine, Triangle, Square, TTL Pulse
- Amplitude: >10 Vpp
- Impedance: 50Ω ±10%
- Duty Control: 30% ~ 60%
- Display: 6-Digit LED Display
- Frequency Range: 10Hz to 100 kHz (4 Ranges), 100Hz to 1 MHz (4 Ranges)
- Frequency Control: Separative Coarse and Fine Tuning
- Constant Voltage Output: ±5V, ±12V
- Variable Voltage Output: 0V ~ ±15V
- Power source: 220V AC ±10%, 50Hz

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.