

Product Code . JL-PET-1414



UJT Relaxation Oscillator

Description

UJT Relaxation Oscillator

Objects:-

- Study of zener diode as voltage regulator.
- Study of static emitter characteristics of UJT- uni-junction transistor on oscilloscope.
- Study of effect of V on peak point and valley point voltage and valley point current.
- Operation of UJT relaxation oscillator and its use as SCR trigger circuit.
- Control of UJT trigger pulses with shunt transistor.
- Study of variations in gate resistance & capacitance, resistance of source & drain and their effect on trigger pulse characteristics of UJT relaxation oscillator.
- Various configurations of UJT relaxation oscillator type 1 (low output impedance), type 2 (moderate output impedance) and type 3 (high output impedance).

In built parts:

- An isolation transformer 230 V A.C. At 100 mA.
- This protects external instruments from damage if they are not isolated.
- 20V D.C. at 100mA, IC regulated power supply internally connected.
- Bridge rectifier and zener regulator.
- Potentiometer for frequency control.
- Two band switches for selecting different value of resistance and capacitance.
- Pulse transformer 1:1:1.
- UJT 2N 2646 under experiment.
- Adequate no. of other electronic components.
- Mains ON/OFF switch, fuse and jewel light.

Specifications:

- The unit is operative on 230 V $\pm 10\%$ at 50 Hz A.C. mains.
- Adequate no. of patch cords stackable 4 mm spring loaded plug length $\frac{1}{2}$ meter.
- Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms.
- Strongly supported by detailed operating instructions, giving details of object theory, design procedures, report suggestions and book references.

Weight:

- 3 kg. (approx.)

Dimension:

- W 340 x H 110 x D 210

Other apparatus required:

- Digital multimeter 3 $\frac{3}{4}$ digit - order code 16901
- 0-30 V, 1 amp IC regulated power supply
- Dual trace cathode ray oscilloscope 20 MHz (unearthed)
- Variac, 0-230 V A.C. @ 2 amp

Other Information**Pay Mode Terms:**

- T/T (Bank Transfer)

Port of Dispatch:

- India

Delivery Time:

- 4 weeks

Packaging Details:

- Corrugated Box

UJT Relaxation Oscillator Manufacturer India, UJT Relaxation Oscillator Exporters, Electronics UJT Relaxation Oscillator , Buy UJT Relaxation Oscillator Online India, Educational Equipments for School Lab, Laboratory Equipment Suppliers, Didactic, Didactic UJT Relaxation Oscillator, Power Electronics Trainers Equipment Exporters, Scientific Instrument and Equipment Manufacturer.

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"The unit is operative on 230 V \pm 10% at 50 Hz A.C. mains. Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ meter. Good quality, reliable terminal/sockets are provided at appropriate places on panel for connections/observation of waveforms. Strongly supported by detailed operating instructions, giving details of object theory, design procedures, report suggestions and book references. Weight: 3 kg. (approx.) Dimension: W 340 x H 110 x D 210 Other apparatus required: Digital multimeter 3¾ digit - order code 16901 0-30 V, 1 amp IC regulated power supply Dual trace cathode ray oscilloscope 20 MHz (unearthed) Variac, 0-230 V A.C. @ 2 amp Other Information Pay Mode Terms: T/T (Bank Transfer) Port of Dispatch: India Delivery Time: 4 weeks Packaging Details: Corrugated Box UJT Relaxation Oscillator Manufacturer India, UJT Relaxation Oscillator Exporters, Electronics UJT Relaxation Oscillator , Buy UJT Relaxation Oscillator Online India, Educational Equipments for School Lab, Laboratory Equipment Suppliers, Didactic, Didactic UJT Relaxation Oscillator, Power Electronics Trainers Equipment Exporters, Scientific Instrument and Equipment Manufacturer.", "brand": "Jlab export", "sku": "5", "gtin8": "5", "gtin13": "5", "gtin14": "5", "mpn": "5", "aggregateRating": { "@type": "AggregateRating", "ratingValue": "5", "bestRating": "5", "worstRating": "0", "ratingCount": "5" } }
