



Comprehensive Analog & Digital Electronics



Note :

Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

Equipment Overview

- It is widely used in lab of schools, universities, training centres for digital electronics technique, analog electronics technique education, which is mainly composed of instrument and meters, power supply, signal source, experimental circuits, etc.
- The bench is steel-wooden structure designed, with wear-resisting and fireproofing panel and storage drawer.
- Safety protections: grounded, lead protection, safety in accordance with related standards. Insulated safety sockets, sheathed cables and wires.



Analog Electronics Part

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- Usage of commonly used instrument
- Diode characteristic test
- Triode transistor input, output characteristics test
- Transistor single transistor amplifier
- Two-pole amplifier circuit
- Negative feedback amplifier circuit
- Emitter follower
- Field-effect tube amplifier circuit
- Differential amplification circuit
- RC sine wave oscillator
- LC sine wave oscillator
- Operational amplifier parameter testing
- Integrated operational amplifier proportional summation operational circuit
- Integrated operational amplifier integrating and differentiating circuit
- Integrated operational amplifier voltage comparator circuit
- Integrated operational amplifier waveform generator circuit
- Integrated operational amplifier active filter circuit
- Integrated power amplifier
- OTL power amplifier
- Integrated voltage stabilizer
- Series voltage stabilizing circuit

Digital Electronics Part

- Transistor switching characteristic, clipper and clamper
- Logic function and parameter testing of TTL integrated logic gate
- Logic function and parameter testing of COMS integrated logic gate
- Connection and driving of integrated logic circuit
- Combinational logic circuit experiment
- Decoder and its application
- Data selector and its application
- Trigger and its application
- Counter and its application
- Shifting register and its application
- Self-excited multivibrator
- Monostable trigger and schmitt trigger
- 555 time base circuit and its application
- D/A, A/D converter
- Electronic stopwatch
- Competition responder
- Tug of war game machine

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Technical Parameters

1. Dimension: 1500mm×700mm×1600mm (approx.)
2. Working power supply: 220V/50Hz
3. Safety protection: Current mode residual-current circuit breaker, voltage mode leakage protector