

WSM-30

Basic Magnetic Circuit Trainer



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Experiment

- Faraday's Law / AC Generating Principle and Magnetic Coupling
- Resistance, Reactance and Inductance of Coil
- Saturation curve and voltage ratio of Transformer / Impedance of Transformer
- Current Ratio and Impedance of Transformer / Voltage regulation curve of transformer
- Polarity of Transformer / Auto Transformer
- Eddy Current and Laminated Core / Choke / Magnetic Amplifier
- Measuring of Flux and Leakage flux / Hysteresis and Core Loss / Peaking Transformer
- Self-inductance, Mutual inductance and Coupling coefficient
- Three-phase transformer
- Principle of shaded-pole magnet

Specification

- Main Voltage : 3 Phase 220V / 50/60Hz (380V / 415V - Selective)
- Current & Voltage Converter
- Rectifier
- Transformer
- Ampere & Volt Meter
- Variable Power Supply
- Magnetic Circuit Testing Set
 - WB-310 Fluxmeter & Search Coil
 - WB-311 3 Phase Power Supply Module
 - WB-320 Aluminium Ring
 - WB-321 Oscilloscope Probe
 - WB-322 Coil Set
 - WB-323 Moving Bag
 - WB-324 AL, NI, CO Bar
 - WB-325 Magnetic Circuit Frame
 - WB-326 Short Ring
 - WB-327 Spring Scale
 - WB-328 Mild Steel Bar
 - WB-329 Insulating Paper (t=0.75mm)
 - WB-330 140mm Laminated Iron Core Bar
 - WB-331 Laminated Iron Core Bar with Groove
 - WB-332 Laminated Iron Core Bar with Hook
 - WB-333 140mm Silicon Steel Plate
 - WB-334 140mm Mild Steel Bar
 - WB-335 140mm Wood Bar
 - WB-336 180mm Laminated Iron Core Bar

Accessory

- Experiment Manual : 1Copy
- Test Lead (Banana Plug) : 1Unit
- Power Cable : 1EA
- Dust Cover : 1EA

Option

- Oscilloscope : 1EA