

Physics Lab Equipments & Experimental Setups

ME 826 - Fourier Analysis Kit

Objective:

- Fourier Analysis Kit is used to Analyse various Complex Signals.

Technical Specifications:

- Output voltages : 6-0-6 VDC
- Inbuilt Function Generator : 500Hz - 1KHz
- Housed in PVC cabinet, circuit diagram printed & all important output brought out at front panel.
- Power Requirement : 220 VAC \pm 10%, 50Hz

Standard Accessories:

- Power Cords, Patch Cords, Instruction Manual.



ME 827 - Measurement of susceptibility of magnetic substance solution by quincke's method

Setup Consist of:

- Quinck's tube with stand
- Sample : MnSO₄, H₂O or FeCl₃
- Specific gravity bottle : 25cc or 10cc
- Travelling Microscope
- Electromagnet

Technical Specifications :

- Field Intensity : 7.5k gauss at 10mm
- Pole places : 50mm dia meter
- Energizing coil : Resistance 3.0ohm
- Yoke Material : U shaped soft iron
- Power Requirement : 0-30V/4Amp

- Digital Gauss meter

Technical Specifications:

- Range : 0 - 2K gauss & 0 - 20K gauss
- Resolution : 1 Gauss at 0-2 K gauss range
- Accuracy : \pm 0.5%
- Display : 3 ½ digit 7 Segment LED DPM
- Special : Indicate the direction of the magnetic field.



- Constant Current Power Supply : DC 0-30V, 5A

Variable Output

- Output Voltage : 0 ~ 30VDC
- Output Current : 0 ~ 5A
- Source Regulation: \leq 0.05% +10mV
- Load Regulation : \leq 0.05% +10mV
- Ripple & Noise : \leq 1mV (rms)
- Digital Display : 3 digit voltage & current display
- Accuracy : \pm 1%, +1 Digit

Standard Accessories:

- Power Cords, Patch Cords, Instruction Manual.

ME 829 - Choke Characteristics Apparatus

Technical Specifications:

- Output voltages : 10VAC, 20VAC, 30VAC, 40VAC & 50VAC
- Meter (Analog) : Voltmeter 0-50V AC
- : Ammeter 100mA AC
- Housed in PVC cabinet, circuit diagram printed & all important output brought out at Aluminum front panel.
- Power Requirement : 220 VAC \pm 10%, 50Hz

Standard Accessories:

- Power Cords, Patch Cords, Instruction Manual.

