



Product Overview

The Multichannel Physiograph (Single Channel) is an advanced recording system designed for biomedical signal acquisition and analysis. It allows the user to monitor and record a range of physiological parameters such as ECG (Electrocardiogram), EMG (Electromyogram), and EEG (Electroencephalogram). Ideal for educational and laboratory applications, the system provides real-time digital display and graphing functionalities for comprehensive physiological studies.

Features

- **Multi-Input Capability:** Supports recording of ECG, EMG, and EEG signals using a single channel.
- **Digital Display:** High-resolution real-time display of waveforms with graphing capabilities.
- **Precision Transducers:** Includes high-quality transducers for accurate signal capture.
- **Data Output:** Compatible with data acquisition systems for further analysis.
- **User-Friendly Interface:** Simple and intuitive controls for ease of operation.
- **Compact and Portable:** Lightweight design suitable for lab benches or mobile setups.

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



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Scope of Supply

- Single Channel Physiograph Main Unit
- ECG, EMG, and EEG Transducers
- Interface Cables
- Digital Display Module
- Electrode Leads and Pads
- Power Adapter
- User Manual

Technical Specifications

Parameter	Specification
Input Channels	1 (Supports ECG, EMG, EEG)
Signal Types	Biopotentials (ECG, EMG, EEG)
Display Type	Digital LCD/LED with real-time graphing
Input Impedance	≥ 1 MΩ
Frequency Response	0.5 Hz to 1000 Hz (varies by mode)
Sampling Rate	≥ 1000 samples/sec
Filters	Low pass, High pass, Notch (switchable)
Connectivity	USB or Analog Output for data logging
Power Supply	220V AC / Battery Operated (optional)
Dimensions	Approx. 300 x 200 x 100 mm
Weight	Approx. 2.5 kg

Applications

- Biomedical Engineering Laboratories
- Physiology and Anatomy Education
- Research in Neurology, Cardiology, and Muscle Physiology
- Medical and Paramedical Training Institutes

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