ESEL®
ISO 9001:2015
An CERTIFIED CO.

DIGITAL POTENTIOMETER (0-199.99 MΩ)

High Precision. Digital Accuracy. Reliable Performance.

OVERVIEW

The Digital Potentiometer (0-199.99 MΩ) is a high-precision resistance simulation instrument designed for educational, research, and industrial applications. It provides accurate and stable resistance settings with a clear digital display, making it ideal for component testing, calibration, and experimental setups. User-friendly controls and wide range selection ensure ease of use and versatility in laboratories.

FEATURES

- Wide resistance range: 0 Ω to 199.99 MΩ
- High accuracy with digital display
- Easy range and function selection
- Stable and reliable performance
- Compact and robust design
- User-friendly front panel controls
- Ideal for laboratory, educational and industrial use

APPLICATIONS

- Electronics Laboratories
- Research & Development
- Educational Institutions
- Component Testing
- Calibration & Measurement
- Industrial Applications

TECHNICAL SPECIFICATIONS

Ω	Resistance Range	:	0 Ω to 199.99 MΩ
	Display	:	3½ Digit LED Display (199.99)
	Accuracy	:	± (0.2% of reading + 1 digit)
	Functions	:	x100 Ω / x10 KΩ
	Ranges	:	200 KΩ / 20 MΩ
	Resolution	:	0.1 Ω (at x100 Ω range) 10 Ω (at x10 KΩ range)
	Output Terminals	:	Standard 4mm Terminals
	Power Supply	:	230V AC, 50Hz
	Dimensions (Approx.)	:	W 250mm × H 90mm × D 200mm
	Weight (Approx.)	:	1.2 kg (Approx.)
	Body Material	:	Metal Enclosure with Powder Coating
	Operating Conditions	:	0°C to 50°C, < 85% RH

WHAT YOU CAN LEARN

- Understanding of Resistance Measurement
- Use of Digital Potentiometer in Circuits
- Calibration and Testing Techniques
- Circuit Simulation and Analysis
- Practical Applications in Electronics
- Improves Experimentation Accuracy

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