

Digital AC DC Ammeter

General Description:

Product Description: Digital AC/DC Ammeter

A **Digital AC/DC Ammeter** is a precision instrument designed to accurately measure alternating current (AC) and direct current (DC) in various electrical systems. It is widely used in industrial, commercial, and residential applications for monitoring and troubleshooting electrical circuits. With its advanced features, high accuracy, and user-friendly interface, this ammeter is an essential tool for electricians, engineers, and technicians.



Key Features:

1. Dual Measurement Capability:

- Measures both AC and DC currents with high precision.
- Wide measurement range to cater to various applications.

2. High Accuracy:

- Equipped with advanced sensors and digital processing to ensure reliable and accurate readings.
- Typical accuracy: $\pm 0.5\%$ of the reading.

3. Digital Display:



- Bright and clear LED or LCD screen for easy reading in all lighting conditions.
- Displays real-time current measurements.

4. Multiple Modes:

- Supports continuous, peak, and average current measurement modes.
- Allows switching between AC and DC modes effortlessly.

5. Compact and Durable Design:

- Lightweight and portable for easy handling.
- Built with durable materials to withstand harsh environments.

6. Overload Protection:

- Integrated safety features to protect the device from current surges.

7. Easy Integration:

- Compatible with various electrical systems, control panels, and test setups.

8. Data Logging and Connectivity (Optional):

- Some models offer built-in memory for data storage and USB/Bluetooth connectivity for data transfer.

Applications:

- **Industrial Use:** Monitoring electrical machinery, motors, and production lines.
- **Electrical Maintenance:** Diagnosing faults in electrical systems and ensuring safe operations.

- **Energy Management:** Measuring current for energy audits and optimizing power usage.
- **Educational and Laboratory Use:** Training students and conducting experiments in electrical engineering.
- **Renewable Energy Systems:** Testing and monitoring solar panels, wind turbines, and battery systems.

Technical Specifications:

Parameter	Details
Measurement Range (AC/DC)	0 - [Insert Value] A
Display Type	Digital LED/LCD
Accuracy	±0.5% of reading
Power Supply	Battery/External Power Source
Dimensions	[Insert Dimensions]
Weight	[Insert Weight]
Safety Standards	Compliant with IEC and CE

Why Choose Our Digital AC/DC Ammeter?

- **Reliability:** Trusted by professionals for consistent and dependable performance.
- **Ease of Use:** Intuitive controls and clear instructions for effortless operation.
- **Value for Money:** Competitive pricing with premium quality features.
- **After-Sales Support:** Comprehensive warranty and customer support.

Upgrade your electrical measurement toolkit with our Digital AC/DC Ammeter. It's the perfect blend of functionality, durability, and precision, ensuring you stay ahead in all your electrical projects.