Power Amplifier & Control System

Power Amplifier

The PWA is equipped with power exchange, electric control, signal modulation, protection, driving, power amplification, and human-machine interface units. Notable features include high reliability, efficiency, energy-saving, flexibility, and compactness. It adopts a modular design for space-efficiency and incorporates auto-saving functions for operation and failure codes. The user-friendly interface facilitates accessibility, and coding/decoding technology minimizes output ripple. Signal and power separation adhere to EMC/EMI requirements, with optional remote control via wireless network or GPRS. Additionally, it includes self-diagnostic capabilities for intelligent monitoring of key parameters such as temperature, current, and voltage.

Control System

The control system implemented in power amplifiers and other testing systems is highly efficient and user-friendly. It features Ethernet communication facilitated by a smart PLC, enabling convenient extensions like remote control and centralized monitoring. Additionally, it offers an energy-saving mode suitable for small-scale tests on medium and large force shakers, reducing noise and energy consumption. The system further enhances user experience with a human-friendly interface, incorporating a high-reliability touch screen and intelligent design crafted by a professional UI design company.

Complete Instrumentation Solutions

Features

Power Amplifier

- Modular design for space efficiency and convenience.
- User-friendly interface for enhanced accessibility.
- Self-diagnostic capabilities for intelligent parameter monitoring.

Control System

- Ethernet communication with smart PLC for remote control and centralized monitoring.
- Energy-saving mode for small-scale tests on medium and large force shakers.
- Human-friendly interface with high-reliability touch screen and professional UI design.

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