APM Technologies

INDUSTRIAL ELECTROMECHANICAL TEST SOLUTIONS

- INDUSTRIAL AGING EQUIPMENT
- AUDIO POWER AMPLIFIER
- INDUSTRIAL ELECTRONIC TESTING
- INDUSTRIAL AUTOMATION TEST SYSTEM

HIGH EFFICIENCY & HIGH PRECISION & HIGH STABILITY

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Industrial Electromechanical Testing Solutions

IIoT (Industrial Internet of Things), cloud computing, industrial data, industrial robots, 3D printing, knowledge work automation, industrial network security, virtual reality and artificial intelligence are important technical supports for Industry 4.0, leading the manufacturing industry to transform to intelligence. The supporting intelligent terminal equipment will also greatly improve production efficiency and reduce labor costs. On the other hand, the motor is still an important part of the industrial electromechanical field. Applications such as intelligent machine tools, robotic arms, and logistics sorting are inseparable from motors. APM provides supporting solutions for the development of Industry 4.0 to meet the constantly changing test requirements in the development of technology.

Audio Power Amplifier

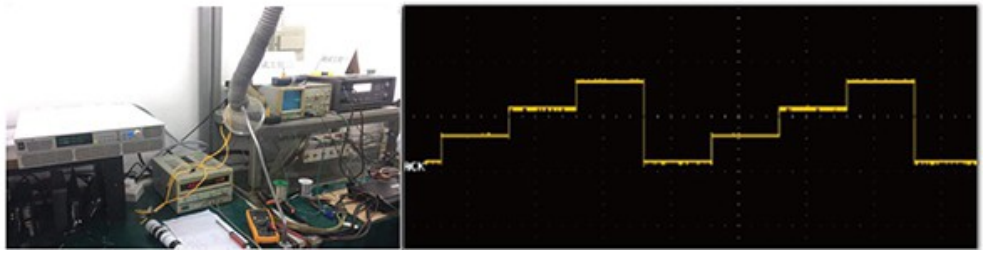
Recommendation

SP-1U /2U Series High Performance Programmable DC Power Supply

Voltage Range: 20V-800V
Current Range: 7.5A-200A
Power Range ：600W-4000W

Application Advantages:

- Stable DC output and wider voltage and current, single machine current range up to 200A and voltage range up to 800V.
- The panel or upper computer can remotely control the output of diversified voltage and current combinations, and the timed output time can be set.
- Provide OVP / OCP / OPP / OTP / short circuit protection, support list waveform editing function, facilitate the operation of test engineers, and ensure the simple, fast and accurate completion of test.



Industrial Automation Test System

For any automatic test system, DC power supply is one of the important equipment. In such applications, the power supply is required to have the characteristics of high stability, high efficiency, high precision and easy program control.

Recommendation

SP-3U /6U Series Wide-range High-power Programmable DC Power Supply
Voltage Range: 0-2250V
Voltage Range: 0-1200A
Power Range ：0-36kW

Application Advantages:

- Foldback protection function. When the power output mode is converted, the power output can be turned off immediately according to the parameters set by fold back function or after a certain delay. The type of trigger protection can be selected as switching from constant voltage to constant current mode or from constant current to constant voltage mode. The fold back function can be set through the touch screen of DC power supply. Click the protection function menu to enter the turn back function setting interface, select to enable this function, select the type of trigger protection as CC or CV, and the delay time range is 0.001 seconds to 10 seconds.
- Provide ultra-high density programmable power output. At the same time, the product adopts high-frequency isolation scheme and PFC active power factor correction technology, which can make this model have high efficiency and power factor performance no matter where it works, so as to reduce energy consumption, reduce interference, purify the environment and meet the requirements of green energy conservation.

Industrial Aging Equipment

Recommendation

SP-1U /2U Series
High Performance Programmable DC Power Supply

Voltage Range: 0-40V
Current Range: 0-120A
Power Range : 0-3kW

SP-3U /6U Series
Wide-range High-power Programmable DC Power Supply

Voltage Range: 0-165V
Voltage Range: 0-400A
Power Range : 0-12kW

Application Advantages:

- External analog control, external input 0 ~ 5V / 10V continuous or intermittent voltage to control the setting of power supply voltage, current and power.
- Using the monitor of the client to control the output and shutdown of the power supply through the high and low level signals to the power supply; This control mode is suitable for system integration, and will have faster response speed and higher reliability than remote control.

Industrial Electronic Testing

Harmonics will cause waveform distortion of sinusoidal voltage and cause many faults or abnormalities in industrial power system equipment. Therefore, the harm of harmonics must be considered in the test stage of electronic equipment. Among the waveform synthesis and editing functions provided by APM programmable AC power supply, the analog harmonic generation function can be selected to meet the needs of customers.

Recommendation

SP-300 Series Single-phase Programmable AC Power Supply

Power Range: 600VA/1000VA/1500VA/2000VA/3000VA/4000VA/5000VA

Application Range:

Household electronic appliances, Industrial electronics, Lighting, Military industry, Avionics.

Application Advantages:

- Built in IEC 61000-4-11, IEC 61000-4-13, IEC 61000-4-14 and IEC 61000 - 4 - 28 programmable AC power supply. This IEC test standard level waveform can recall directly for users. The user can also switch the test level according to the actual test situation
- Among the waveform synthesis and editing functions, the analog harmonic generation function can be selected. The fundamental frequency is 50Hz or 60Hz, and the harmonic component can reach 40 orders.
  The distorted voltage and phase of each order can be edited on the front panel or monitoring software, that is, another voltage part with variable frequency is superimposed on the original basic voltage output, which is required under some anti-interference simulation tests.

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