

HYK.SSC-I 系列智能型伺服系统控制器

HYK.SSC-I series intelligent servo system controllers



产品简介

Product overview

电液伺服控制系统是一种反馈控制系统，主要由电信号处理装置和液压动力机构组成。电液伺服控制系统又称跟踪（随动）系统，是一种自动控制系统，在这种系统中，输出量如位移、速度或力等能自动、快速而准确地随输入量变化而变化，与此同时，输出功率被大幅度的放大。电液伺服控制系统综合了电器和液压两方面的特长，具有控制精度高、响应速度快、输出功率大、信号处理灵活等优点。

The electrohydraulic servo control system is a feedback control system, which is mainly composed of electric signal processing device and hydraulic power mechanism. The electrohydraulic servo control system is also called tracking (follow-up) system, and it is an automatic control system. In this system, the output quantities, such as displacement, velocity or force, can change with the input quantities automatically, quickly and accurately. Meanwhile, the output power is greatly amplified. The electrohydraulic servo control system integrates the strong points of electric appliances and hydraulic pressure, with the advantages of high control accuracy, fast response speed, large output power and flexible signal processing.

HYK.SSC-I 系列智能型伺服系统控制器结合电子技术和计算机技术，借助工控机丰富的资源，配合各种 AI/AO/DI/DO 板卡和通讯卡实现各种液压元件的控制，实现软件控制单通道或多通道的位置、力、速度等控制，软件上可实现模块式测试控制器的操作系统，同时具备软件和硬件功能。

HYK.SSC-I series intelligent servo system controllers combine electronic technology and computer technology, use the rich resources of industrial personal computer, cooperate with all kinds of AI/AO/DI/DO board cards and communication cards to achieve the control of various hydraulic elements and software control of single-channel or multiple-channel position, force and speed. In terms of software, such controllers can implement the operating system of modular test controller and have software and hardware functions.

产品特点

Product features

- 可实现单通道或多通道的位置、力、速度的快速闭环控制
- The product can implement fast closed-loop control of single-channel or multi-channel position, force and speed.
- 内置数据采集、数据存储能力
- Data acquisition and data storage capabilities are built in the product.
- 可与现有测控软件进行通讯，传输数据
- It can communicate with existing measurement and control software and transmit data.
- 可与任何液压系统灵活搭配使用
- It can be used flexibly with any hydraulic system.
- 可实现力控与位控之间的无冲击瞬时切换
- It can realize non-impact instantaneous switch between force control and position control.
- 在线自适应振幅和相位控制，节省设置时间
- The online adaptive amplitude and phase control save setting time.
- 可实现多通道信号输出，信号采集
- It can implement multi-channel signal output and signal acquisition.
- 可实现高分辨率输入，可选增益
- High-resolution input, with optional gain
- 系统控制器按客户指定要求进行定制设计
- Customized system controller