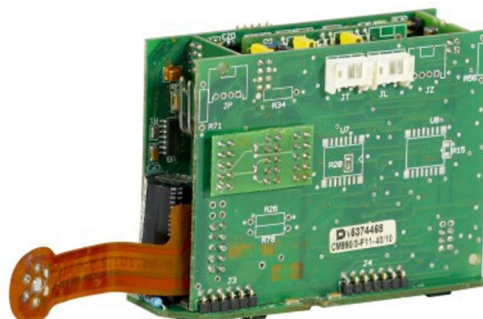# HYK-SVC-I 系列智能型伺服阀控制器

HYK-SVC-I series intelligent servo valve controllers

产品简介

Product overview

HYK-SVC-I 系列智能型伺服阀控制器将用户指令信号与解调后的阀芯位移信号进行比较，比较阀芯位置偏差产生电流作用在比例电磁铁中，推动阀芯移至指定位置。控制器内部集成震荡器激励阀芯位置传感器（LVDT）反馈位置信号。集成能够将电信号转换为力矩马达电驱信号或直驱电机电驱信号。

HYK-SVC-I intelligent servo valve controllers compare the user command signal with the demodulated core displacement signal. The current generated from core position deviation acts on the proportional electromagnet to push the core to the designated position. An oscillator is integrated inside the controller to excite the core position sensor (LVDT) to feedback the position signal. The integration can convert the electric signal to electric drive signal of torque motor or electric drive signal of direct drive motor.

产品特点

Product features

- 采用高性能嵌入式数字处理运算内核，可兼容各种复杂工业现场控制

- The product has high-performance embedded digital processing kernel, which can be compatible with various kinds of complex industrial field control.

- 高速智能型 PID 阀芯位移闭环数字化控制系统

- Closed-loop digital control system of high-speed intelligent PID core displacement

- 控制器最大控制周期不超过 2ms,采用 24VDC 供电

- The maximum control cycle of the controller is no more than 2ms, and 24VDC power supply is adopted.

- 可实现一路控制通道的闭环控制，直接控制伺服阀工作

- It can realize the closed-loop control of one-way control channel and directly control the servo valve to work.

- 控制器可实现阀芯位置和输出压力ρp 的反馈信号采集

- The controller can realize the feedback signal acquisition of core position and output pressure RP.ρ

- 动态单通道≥100Hz。系统频率可调，频率偏差＜1%

- Dynamic single channel ≥ 100Hz. The system frequency is adjustable, with frequency deviation ＜1%.

- 可在线实时与上位机通讯

- Online and real-time communication with the host computer

- 可根据客户系统需要提供数字或模拟端口

- Digital or analog ports can be provided according to customer's system needs