

KC6600

Automatic Final Frequency Adjustment Controller for SC-6SA (1-100MHz Up-grade Version)

KC6600 is an add-on up-grade controller for The Showa Shinku vacuum system - SC-6SA. This upgrade gives you the performance of the latest technology while maintaining the reliability. The modification on your SC-6SA is minimal.

The KC6600 utilizes the latest Proportional-Integral-Differential (PID) Plating Control algorithm enhanced with shutter forecasting control. Intelligent Solid State Plating Power control module gives better plating accuracy and higher speed compared to the other conventional shutter-only or PID-only control system. Typical plate time per crystals is less than 3.5 seconds (total for 2 cycles plating, typical spread $< \pm 2$ ppm).

The built-in high quality PI network oscillator and high speed frequency counter also improves the final accuracy of the crystal being plated. Measurement accuracy of less than ± 1 ppm could be achieved (Fr). And for full frequency range, both Fs and FL can be plated with high accuracy.

The system operation software is user friendly and menu driven. The front panel is designed for production workers to operate easily, so that they do not have to work with the computer.

Specifications

- Frequency Range : 1 to 100 MHz,
- Plating Control algorithm: Real time digital PID control, with Shutter forecast
- Filament current : Computer controlled Real time high speed Solid State SCR
- Measurement : High Speed Pi network Oscillator with High Speed Frequency Counter

Standard System Configuration

- Built-in Filament solid state controller (Power Module) 1 set
- Panel controller for easy operation 1 unit
- System Operation Software and cabling 1 set
- 1 to 100 MHz PI network oscillators with mounting kit 1 kit
- High speed frequency counter Card 1 unit

Options:

- HP computer or compatible with Single 3.5" floppy, hard disk, and Colour display
- Epson compatible printer

System Requirement

IBM PC compatible computer to be supplied by user :

- minimum 486DX, 3.5" floppy, 4M RAM, hard disk (100MB free space), MSDOS6.0, ISA Slot x 1



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