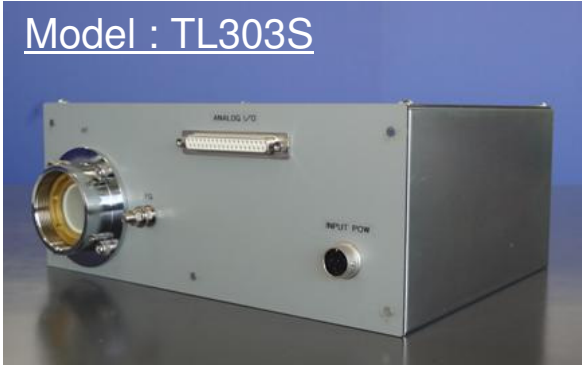


Model : TL303S



This photograph is a production example.

Product specifications

Input voltage

90V~240VAC single phase 1.5A(50,60HZ)

Accelerator supply (Referenced to GND)

Output voltage: -1K~30kV
 Absolute voltage accuracy: Less than 0.1%
 Set ability: 12bit (10V LSB)
 Output current: 200 μ A max
 Ripple noise: 250mVp-p or less
 Stability: 50ppm/1hr after 1hr warm up
 temperature coefficient: 25ppm/ $^{\circ}$ C

Filament supply (Referenced to Accelerator)

Output voltage: 0~5V
 Set ability: 12bit (1mA LSB)
 Output current: 0~3.3A
 Ripple noise: Less than 10mA @3A
 Absolute current accuracy: \pm 0.01A
 Stability: 200ppm/1hour @ 3.0A
 temperature coefficient: 100ppm/ $^{\circ}$ C @3.0A or less

Bias Supply

Output voltage: 3.0kV max
 Method of bias: active bias or self bias

Details decides it by the consultation with the customer.

Custom multiple output power supply for " Scanning electron microscope with LaB6-gun" .

Application

- Scanning electron microscope
- Electron probe micro analyzer
- Auger micro probe analyzer

This is a product only for the custom order that supplies OEM according to customer's system.

The other specifications

All the outputs provide with the over voltage protection and the over current protection.

External control: Optical isolated RS232C
 Interlock: vacuum, thermo, HV-connection
 HV connector: Customer specification
 Output monitor: Accelerating voltage
 Storage temp range: -5 $^{\circ}$ C~ +40 $^{\circ}$ C
 Operating temperature
 Limit: +10 $^{\circ}$ C~ +40 $^{\circ}$ C
 Humidity: 80% or less
 Insulation method: Air insulation (one molding)
 Externals size: --- (W) \times --- (D) \times --- (H)
 Weight: --- kg

The model "TL303S" is an integrated multiple output high voltage power supply specifically developed for LaB6-gun type scanning electron microscope.

* Please ask details.
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