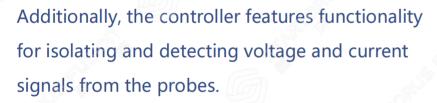


Electrostatic Probe Controllers

Introduction

The electrostatic probe controller developed by Startorus Fusion is designed for Langmuir probe diagnostics in plasma experiments. It can provide bias excitation of up to ±200 V and 4 A, and is equipped with an arbitrary waveform generator. Users can adjust the form, frequency, offset, and amplitude of the excitation signal as needed.





Parameters

- Maximum Excitation Voltage: ±200 V
- Maximum Excitation Current: 4 A
- Excitation Signal: Self-contained arbitrary waveform generator
- Signal Acquisition Form: Isolated current and voltage signal output (1500 VDC isolated)
- Communication Mode: modbus
- Quantity: 2 sets of independent electrostatic probe controllers
- Structure: 1U chassis form

Applications

Electrostatic probes can be applied in various fields such as plasma research, space science, geophysics, deep space exploration, vacuum coating technology, and more.