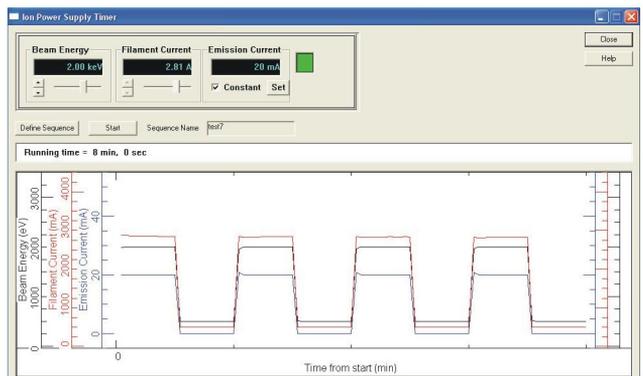


DIGITAL ION SPUTTER GUN CONTROLLER

Model IPS3-D



Timing software for automation to control sputtering process



FEATURES:

Sputter control programming

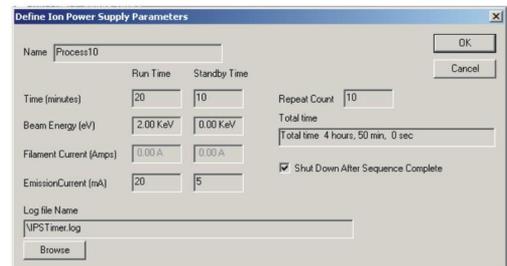
Front panel or computer control via USB

Digital precision in setting and stability

Rotary optical encoder control on front panel

Integration to LabView(TM) or TestPoint(TM)

Automatic protection against overload, short circuit and arc



DIGITAL ION SPUTTER GUN CONTROLLER

Specifications

POWER SUPPLY - Model IPS3-D

ANALOG OUTPUTS

Beam Voltage:	positive, 0-3200V
Filament Current:	0- 4 A
Focus Voltage:	positive, 0-3200V; factor 0.3 - 0.85 of beam voltage
Grid Voltage:	150V in reference to filament
Emission Current:	0-99 mA range
Monitoring:	all above voltages

Display: vacuum fluorescent display for filament current and beam energy, emission current, program functions

Manual Control: manual control of all voltages and filament current via rotary optical encoder and selection buttons, manual programming available

On-Board Automation: 10 adjustable operating programs and also outgassing, standby, filament forming, constant emission current, diagnostics programs

PC Control: full control of all functions, PC software is required, command list for easy custom programming (LabView), DLL, ActiveX available

Protection: over-voltage, over-current and short circuit protection

Input Power 100/110V AC, 50/60 Hz or 220V/240V AC, 50 Hz

Mechanical: 19" rack mount box with 3U (5.25", 133 mm) in height

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