

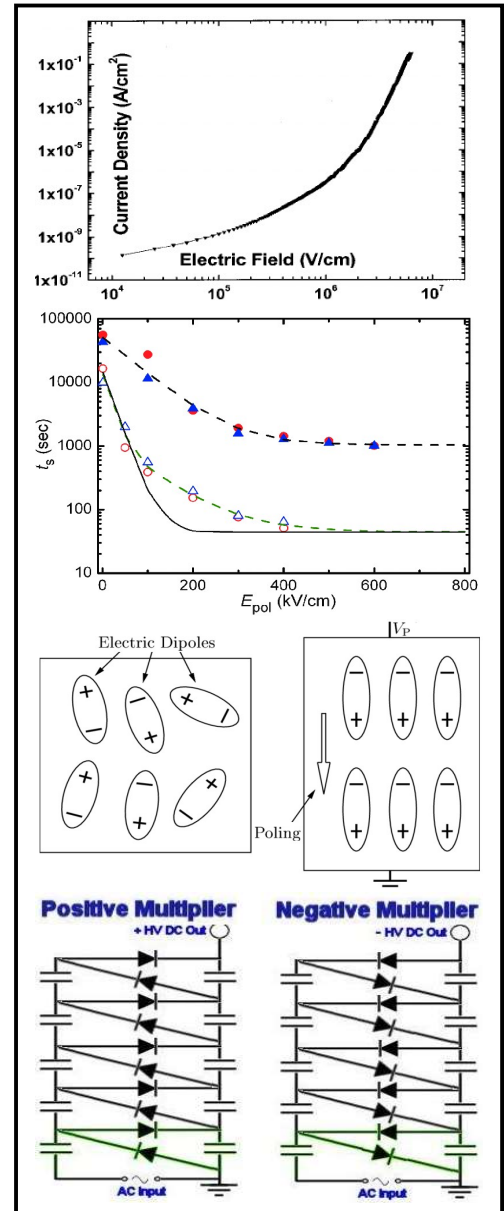
DC POLING UNIT



ABOUT THE SYSTEM

The **DC Poling Unit** is used to align dipole in single order. The **DC Poling Unit** is designed to produce pure DC with facility to protect the sample from burning due to excessive voltage. The system has a unique feature to trip the supply in case of overcurrent is passing through the sample. The system is most advanced in its specifications and user can set desired voltage with utmost accuracy using a potentiometer. The accuracy and the resolution of the system is very precise as low as **0.2%**. The new system is digital and has I/O Functions. The Poling Unit have an option to attach PC interface to accurately measure the current flowing through the sample. User can also opt for temperature attachment.

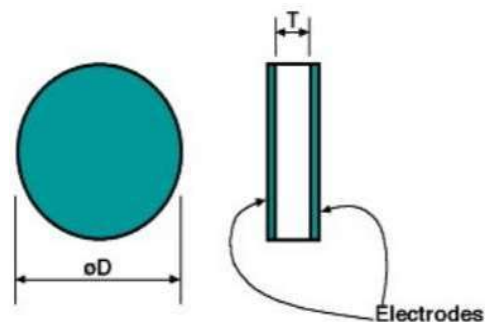
- Field: **5/10 KV**
- Resolution: **0.2%**
- Overload Protection: **Current Controlled**
- Digital Display: **Voltage/ Current**
- Operation: **Auto Manual**
- Field Control: **Potentiometer/ PC**



MODEL: 5/10DC

Various tests performed by this model:

- DC Poling at different fields
- DC Poling at fixed bias current
- DC Poling at different temperature



DC POLING UNIT

TECHNICAL SPECIFICATION

MODEL	5/10DC
Field	5/10KV
Current	2/5/10 mA
Power	250/500 W
Minimum Leakage Current	0.01uA
Input Capacitance	1 p F
ADC Resolution	16 Bit
Minimum Current Sensitivity	0.0 1µA
Over load protection	Current Controlled
Voltage Step	20 – 100 V
Field Control	Potentiometer/PC
Display	Voltage/ Current
Stability	1%
Resolution	0.2%
Input Power	220V 5 Amp
Size	Rack Mountable Unit 19 Inches 4U
Temperature Options	Model
Cryogenic Temperature Stage	100RT (96K – 273K)
Temperature Stage	RT250 (RT – 500K)
Resolution	0.1°K
Accuracy	1°K
Data	ASCII
Interface	USB 3.0
Ramp Rate	1°K – 10°K
Communication	RS232/ USB
Sample Holder	Specifications
Sample Holder	Two Probe Spring Loaded
Construction	SS304 /Teflon
Electrode Material	Brass
Sample Details	Thick/Bulk
Sample Shape	Rectangular / Circular
Sample Dimension	8X8 mm/ 10 mm Dia
Thickness (Thick/Bulk)	0.1mm to 1mm

(For optional items separate brochure is available)

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