

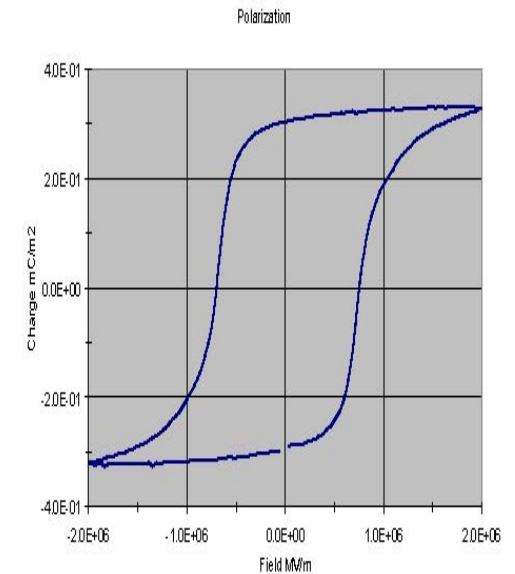


### About Us

Marine India is a Professional company, working in design development and production of material research systems for the welfare of Indian Scientific Natured Groups. The main thrust of our company is to produce highly advanced adaptable and low cost systems to suit both Indian and Foreign research facilities.

### Main Product Line

- PE loop tracer system
- BH loop tracer systems
- Multi Ferroic Test system
- Resistance measurement systems
- Electromagnets
- DC polling unit
- AC/DC power supplies
- Source Measure Unit
- LCR Meter/Impedance analyzers interfacing, software's
- 



## PE HYSTERESIS TESTER

### About the system

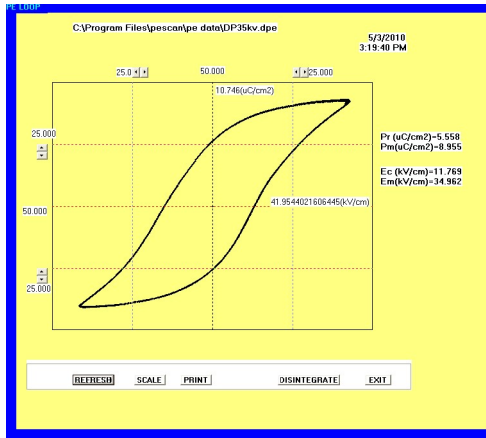
PE hysteresis tester is designed and developed by our company and has recognition in the industry. The new testing system is digital and Total operations are performed by oscilloscope for BSC MSC practical's The following tests can be performed with the system

PE hysteresis tester at different temperature

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*Application Oriented Basic  
Science Group*



## General Specifications

- Field 1KV
- XY probes output for oscilloscope
- Overload protections
- Current limit 2 mA
- Standard PZT sample
- Sample holder
- Silicon Oil 500 ml
- Manual

## Polarization Specifications

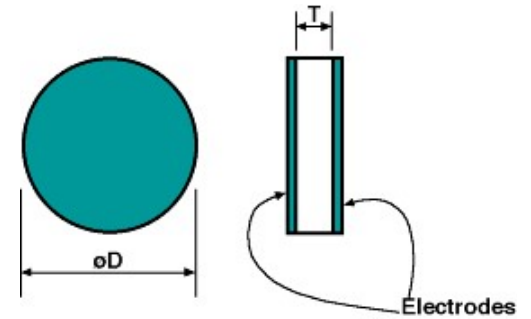
Minimum Charge sensitivity 100 N C  
 Minimum PZT area 1 sqmm

Minium Charge measurement  
 Bulk HV 20 u C

2 external sensor input 5 V bipolar

## Following are the component

- Main PE unit
- Sample holder
- Temperature stage



## References

- Solid State Lab (SSPL) Delhi
- IIT Mandi
- Indian Institute of Science Bangalore
- CAT Indore
- IIT Delhi
- Rajkot Saurashtra University
- IIT Roorkee
- Shimla university
- Cat indore
- IIT Chennai
- Delhi University
- IASC Calcutta
- DMRL Hyderabad
- Osmania Univeristy

The full list is very exhaustive but above is only few major references.