

Specifications:

- Output Range $\pm 10V$
 - Output range can be expanded to $\pm 200V$
 - 12-bit Arbitrary Waveform Generator output
 - 200Hz \rightarrow $1/10^{\text{th}}$ Hz Hysteresis Frequency
 - 100 points in 5ms
 - 1000 points in 10 seconds
 - Pulse Widths down to $50\mu s$ and up to 100ms
 - Two output ramp rates to improve accuracy
- Polarization Measurement
 - 12 bit analog to digital converters
 - $20\mu s$ capture rate
 - Polarization, output voltage, and SENSOR captured simultaneously
 - Minimum charge sensitivity $\rightarrow 500pC$
 - Minimum PZT capacitor area $\rightarrow 50\mu^2$
 - Maximum charge measurement $\rightarrow 1.10\mu C$ (11.0 μC w/HVI)
 - Maximum PZT capacitor area $\rightarrow 1.1mm^2$ (1.1 cm^2 w/HVI)
 - Maximum hysteresis loop frequency $\rightarrow 200Hz$
 - Minimum hysteresis loop frequency $\rightarrow 1/10^{\text{th}}$ Hz
- 1 COMM channels for controlling high voltage amplifiers
 - 1 I²C COMM channel
- 1 external $\pm 10V$ SENSOR input
- Requires a desktop or laptop computer with USB1.0 Port or better
Can be operated with Windows 2000™ or Windows XP™
- Vision data management system operating under Windows 2000™ or XP™