



**Radiant  
Technologies  
has been the  
world leader in  
Ferroelectric  
Test and Thin  
Films Technology  
since 1988**

Radiant Technologies is a company dedicated to the evolution and exploitation of thin and bulk ferroelectric film technologies and related products. As industry inventors from the inception of this technology, we continue to uphold our position as a respected world leader in research, development and implantation of ferroelectric technologies.

# World Leader in Ferroelectric IC Technology and Testers

## ■ Precision Multiferroic



The Precision Multiferroic tester allows 30kHz measurements using the 200V internal amplifier and 50kHz measurements using the 100V internal amplifier.

*Additional Multiferroic specifications include:*

- » 18 ADC Bits
- » 16-bit Arbitrary Waveform Generator output
- »  $\pm 10V$  output (30V, 100V, and 200V built in drive voltage options)
- » Expandable to 10kV
- » Maximum Hysteresis Frequency 100KHz at 9.9V
- » Max Small Signal Cap Frequency 1Hz
- » Max Pulse Widths down to 1 $\mu$ s and up to 1s.
- » 2 external 18-bit,  $\pm 10V$  SENSOR voltage inputs.

## ■ Precision Premier II



The Precision Premier II, is an advanced tester that has a large test envelope in terms of frequency response, voltage range, and accuracy.

*Premier II specifications include:*

- »  $\pm 10V$  output (30V, 100V, and 200V built in drive voltage options)
- » Expandable to 10kV
- » Maximum Hysteresis Frequency 100KHz at 9.9V
- » Max Small Signal Cap Frequency 1Hz
- » Max Pulse Widths down to 1 $\mu$ s and up to 1s.
- » 2 external 18-bit,  $\pm 10V$  SENSOR voltage inputs



Radiant invented the first ferroelectric test system in 1988. Joe Evans the President of Radiant Technologies, Inc pioneered the development of the first functional ferroelectric integrated circuit 1986. Radiant's test systems are used worldwide and have become the standard in ferroelectric film characterization. Radiant continues to uphold our position as the industry leader with test systems installed world wide.

Radiant also offers piezoelectric, mangetoelectric, transistor, and pyroelectric testing options.

*Vision Software is included with all Test Systems*

## ■ Precision LC II



**The Precision LCII is an ideal general purpose tester for the University research laboratory.**

*LCII specifications include:*

- »  $\pm 10V$  output (30V, 100V, and 200V built in drive voltage options)
- » 18 ADC Bits
- » Min Pulse Width 50 $\mu$ s
- » Min Rise Time @ 5V 40 $\mu$ s
- » 20KHz Maximum Small Signal Cap Frequency
- » Min Hysteresis Loop 10s
- » 5.0 kHz Max Hysteresis Frequency
- » Min Pulse With 50 $\mu$ s for Testing up to  $\pm 10kV$  (with accessories)

## ■ Precision RT66B



**Radiant's RT66B test is perfect for the researcher looking for a flexible unit at an affordable price.**

*Precision RT66B specifications include:*

- » Output Range  $\pm 10V$
- » Output range can be expanded to  $\pm 200V$  or 4kV
- » 14-bit ADC Bits
- » 200Hz -> 1/8th Hz Hysteresis Frequency
- » 100 points in 5ms
- » 500 points in 8 seconds
- » Pulse Widths down to 500 $\mu$ s and up to 100ms
- » Two output ramp rates to improve accuracy

**Please Visit Radiant's web site at [www.ferrodevices.com](http://www.ferrodevices.com)**