

For the - calibration and analysis of x-ray generator systems

## The Calibration Reference Standard for the X-ray Industry



Dynalyzer IIIU High Voltage Unit



Dynalyzer III Digital Display / Printer

### MEASURE -

- kVp (anode, cathode, and anode + cathode)
- mA and mAs Anode current
- Filament current
- Exposure time

Used for: X-ray machine manufacturing, Troubleshooting, Annual Calibration, Installation, Acceptance Testing

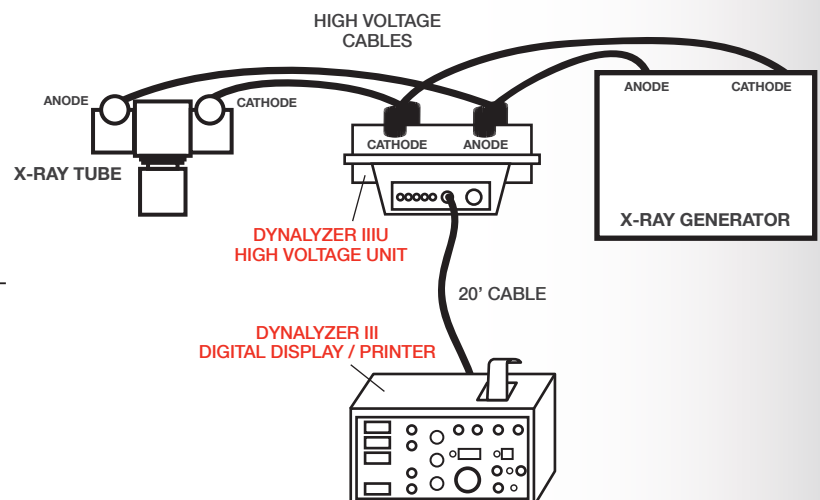
### DYNALYZER IIIU HIGH VOLTAGE UNIT -

The Dynalyzer IIIU is one of the most accurate tools for the calibration and analysis of x-ray generator systems.

Connected between the generator and the x-ray tube unit, it isolates the signals and provides an output proportional to kV, mA and filament current. These ground-referenced analog signals may be routed to external test equipment, such as the Dynalyzer III digital Display or an oscilloscope. Unlike non-invasive instruments, the Dynalyzer provides the user with direct kV measurements unaffected by tube target material or filtration.

### DYNALYZER III DIGITAL DISPLAY / PRINTER -

As an element of the Dynalyzer system, the Digital Display provides a wide range of x-ray measurement features for rapid calibration, compliance testing, and troubleshooting. It may be used with the Dynalyzer II, III, IIIA-CT IIIU High Voltage Unit, conventional oscilloscope and voltmeter for complete analysis.



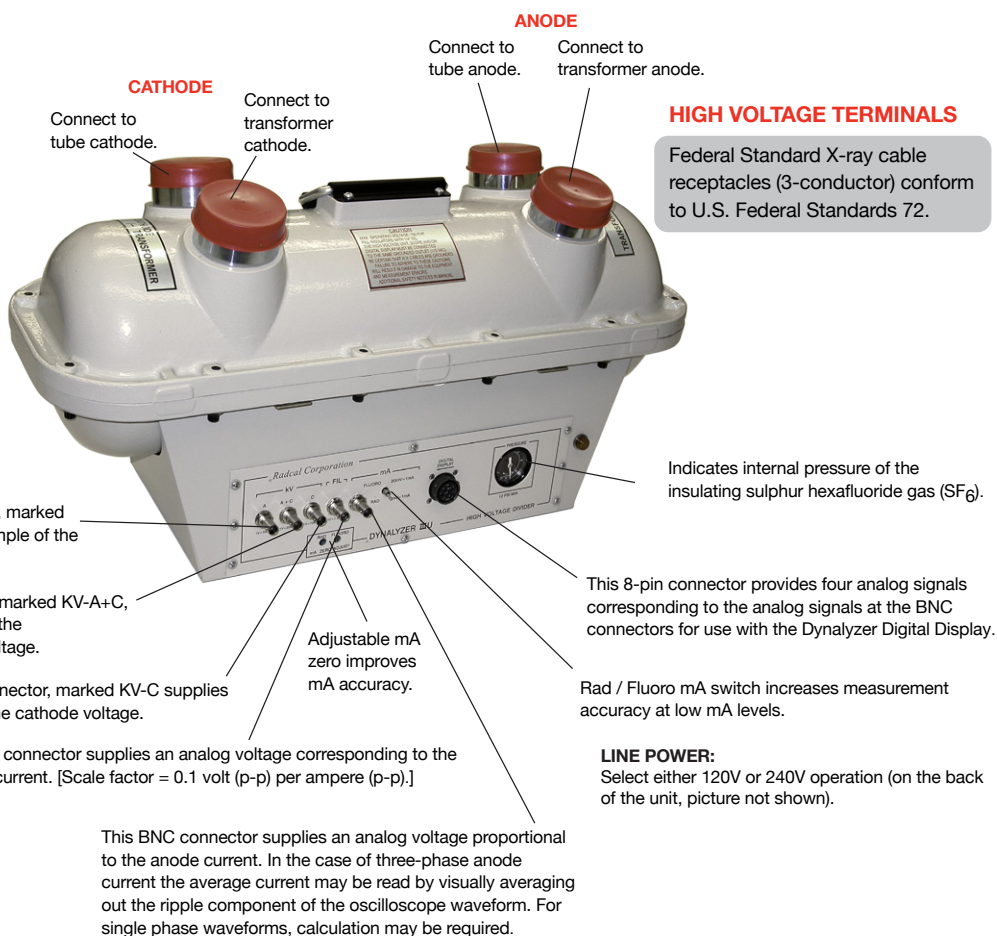
THE GOLD STANDARD IN RADIATION MEASUREMENT

# DYNALYZER KEY FEATURES AND BENEFITS:

KEY FEATURES	BENEFITS
Measure kVp	Quickly and accurately measure without a scope
Measure Fluoro	Generator parameters measured in real-time with "Auto Trigger" mode
kV Delay	Use of kV Delay allows user to ignore overshoot
Exposure Recall	Allows user to display up to 10 previous exposures
Coefficient of Variation	Accessible with just the touch of a button

## DYNALYZER IIIU HIGH VOLTAGE UNIT

FULL SPECIFICATIONS: [www.radcal.com](http://www.radcal.com)



## OPTIONS & ACCESSORIES

Refer to Radcal price list for other options and accessories

Dynalyzer IIIU High Voltage Unit comes standard for 3 conductor applications. Includes two 12 foot coaxial cables and dummy plugs. (4 conductor applications Dynalyzer available on special request)

Heavy duty shipping container (M-96321) for Dynalyzer III Digital Display (M-96320P) (order separately)

Heavy duty shipping container (M-96115) for Dynalyzer IIIU (M-96311) (order separately)

High voltage cables (two 5-foot cables recommended)

### TECHNICAL DATA: DYNALYZER IIIU HIGH VOLTAGE UNIT

<b>kV accuracy</b>	± 1%	10 kV to 150 kV
<b>Anode Current</b>	± 2%	1 mA to 2 Amps (8ms pulse maximum) Selectable sensitivity for more accuracy at low mA
<b>Filament Current</b>	± 1% db (12%)	DC to 20 kHz

All specifications subject to change.

### TECHNICAL DATA: DYNALYZER III DIGITAL DISPLAY / PRINTER

<b>kV accuracy</b>	± (0.75 kV + 0.5%)	10 kV to 150 kV
<b>Anode Current</b>	± 2%	1 mA to 2 Amps
<b>Filament Current</b>	± (0.05A + 0.7%)	
<b>Exposure Time</b>	± (0.25 ms + 0.5%)	