

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

Dynalyzer IV – Now with greatly enhanced computer connectivity!



Dynalyzer IV High Voltage Unit



Accu-Dyn+ Display System

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

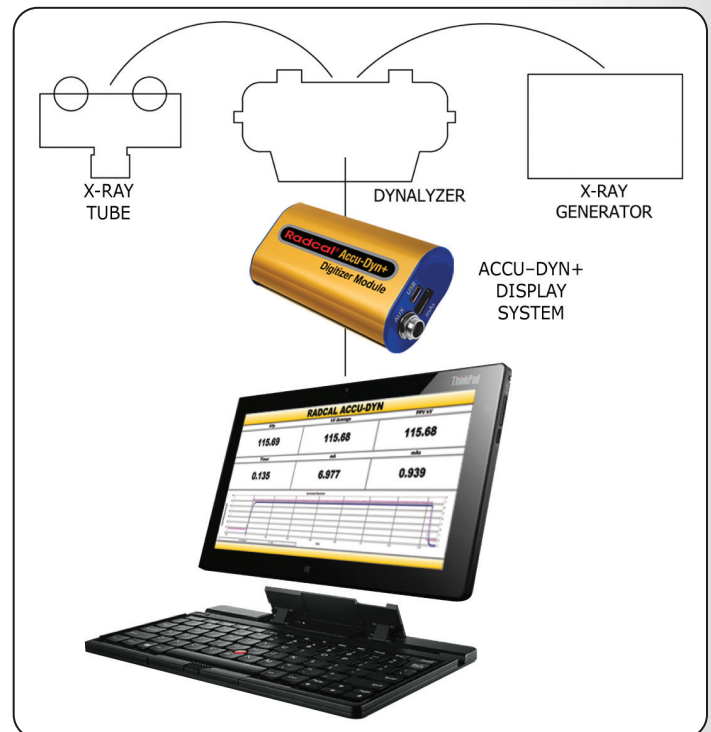
DYNALYZER IV HIGH VOLTAGE UNIT –

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

The Dynalyzer IV which is inserted in the high-voltage cables between the x-ray generator and the x-ray tube, provides ground-referenced analog and digital signals that are proportional to kV, anode current (mA) and filament current. The analog version of these signals can be routed to external test equipment such as an oscilloscope or digital voltmeter. The digital version of the anode-to-cathode voltage and the anode current can be connected to the Dynalyzer Accu-Dyn+ Display System and its associated Accu-Gold Excel software. Unlike non-invasive instruments, the Dynalyzer provides the user with direct kV measurements unaffected by tube target material or filtration.

DYNALYZER ACCU-DYN+ DISPLAY SYSTEM -

The Accu-Dyn+ display system provides the means to display, analyze and report values measured by the Dynalyzer that support calibration, compliance testing and troubleshooting. Displayed values include: kV, kVp, PPV, anode current, number of pulses, and pulse duration. In addition, waveforms of kV and anode current can be displayed and analyzed, providing a deeper understanding of the operation of the system.

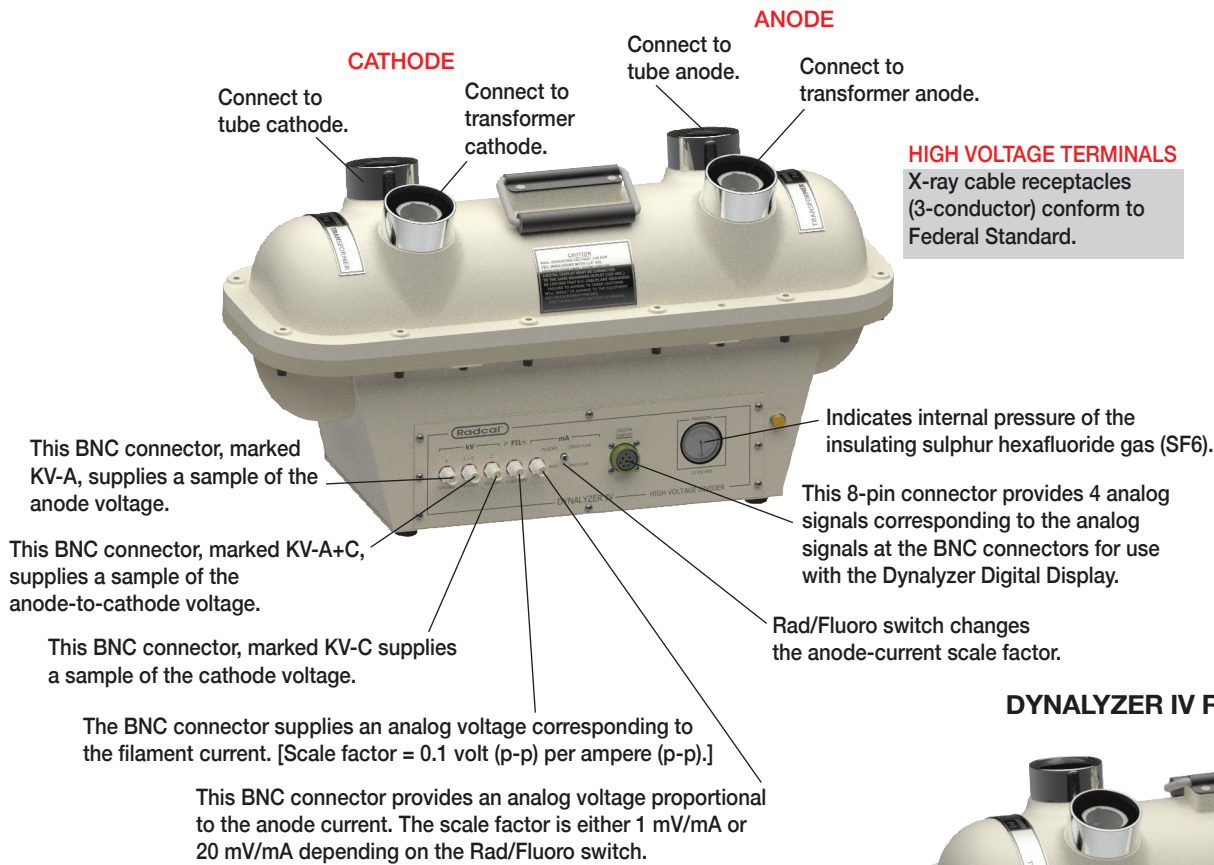


THE GOLD STANDARD IN RADIATION MEASUREMENT

DYNALYZER WITH ACCU-DYN+DISPLAY SYSTEM KEY FEATURES AND BENEFITS:

KEY FEATURES	BENEFITS
Automatic Triggering	Generator parameters are measured in real-time with "Auto Trigger" mode
Create Custom Reports	Accu-Gold Excel allows users to create automated reports tailored to their needs
Print Reports	The Windows Display can print to any Windows supported printer
Advanced Calculations	PPV, kVp and average kV are automatically calculated
Report Archive	Reports are stored in Excel format and can be recalled as needed

DYNALYZER IV HIGH VOLTAGE UNIT



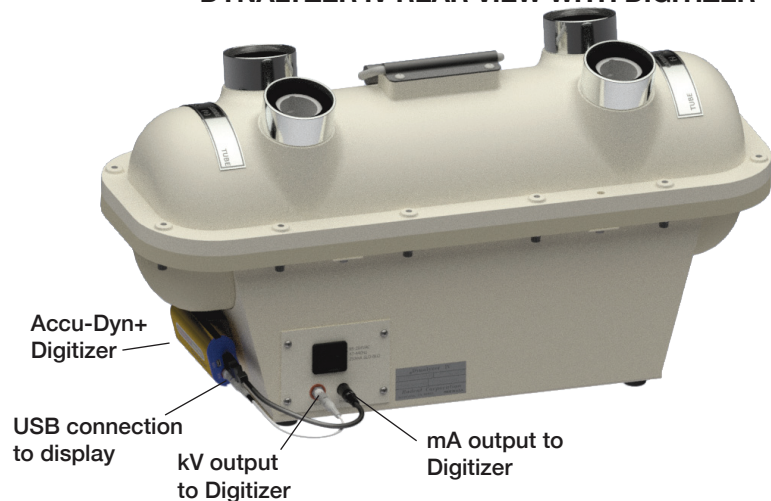
OPTIONS & ACCESSORIES
Refer to Radcal price list for other options and accessories

Dynalyzer IV 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-96115) for Dynalyzer IV (order separately)

High voltage cable (M-53605), two 5-foot CA-1 cables recommended.

DYNALYZER IV REAR VIEW WITH DIGITIZER



TECHNICAL DATA: DYNALYZER IV HIGH VOLTAGE UNIT

kV accuracy	± 1%	10 kV to 150 kV
Anode Current	± 1%	1 mA to 1 A, DC to 4 kHz
Filament Current	± 5%	DC to 20 kHz

All specifications subject to change.

TECHNICAL DATA: ACCU-DYN+ DISPLAY SYSTEM

kV Accuracy*	± 1%	10 - 150 kV, DC to 4.5 kHz
Anode Current	± 0.2%	0.1 mA to 1 A, DC to 2.3 kHz
Exposure Time	± 0.5 msec	

* Waveforms and calculated kV values reflect a bandwidth of 4.5 kHz.