

XRD-LPX Power Supply for XRD Digital X-Ray Detectors



Description

The XRD-LPX Power Supply is a low power, stand-alone unit to support the XRD 512-400 and XRD 1640 X-Ray detectors with four different voltages. The power supply supports 230 V \pm 10% at 50 Hz and 115 V \pm 10% at 60 Hz and 50 Hz, respectively. An LED display indicates the status of the device.

The XRD-LPX Power Supply is distinguished by its rugged design, versatility, and low ripple- and humming voltage.

When used with the XRD-LPX Power Supply, all detectors of the XRD 1640, and XRD 512-400 series fulfill the industrial grade requirements of EN 60950 certification.

Application

- Radiotherapy Simulation and Portal Imaging
- Non-Destructive Testing
- 3D CT Reconstruction
- Scientific & Medical Applications

Features:

- Supports XRD 512-400 X-Ray detectors
- Supports XRD 1640 AL / AG X-Ray detectors
- Rugged Design
- Tolerates wide range of main voltages



Cable and Connectors



Fig. 1 XRD-LPX AC cable (US 115V)



Fig. 2 XRD-LPX DC Cable

Environmental Considerations

	Transportation / Storage ^{*1}	Operation
Ambient temperature	0° to +50°C	+0° to +40°C
Relative humidity ^{*2}	5% to 90%	5% to 90%

^{*1} In original transport box

^{*2} No condensation

Technical Specification

Mechanical Dimensions*

Length	220 mm
Width	120 mm
Height	65 mm

*without Handle and Plugs

Electrical Specifications

Input	110 Volts – 120 Volts AC / 1.5 A 200 Volts – 240 Volts AC / 0.8 A 47 Hz – 66 Hz
Output (± 5%)	6.2 Volts / 2 Ampere DC 13.4 Volts / 2 Ampere DC -13.0 Volts / 2 Ampere DC
Internal Fuse	3.15 Ampere / 250 Volts

Accessories

95510255	Power Supply RID LPX
95510253	XRD-LPX DC Cable 10 FT / 3.1 M
95510243	XRD-LPX DC Cable 25 FT / 7.6 M
95510251	XRD-LPX DC Cable 50FT / 15.25 M
95510246	XRD-LPX AC Cable – DE
95510249	XRD-LPX AC Cable – US

Regulatory Requirements

When used with the X-Ray detectors of the XRD 512-400 and XRD 1640 series and original accessories, the PKI-LPX Power Supply complies with the industrial EN 60950 regulatory requirements.

For more information e-mail us at opto@perkinelmer.com or visit our website at optoelectronics.perkinelmer.com
All values are nominal; specification subject to change without notice.

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