MICROFOCUS X-RAY SOURCE SERIES

SEALED TYPE



100 kV L10101, L10321



110 kV L9631



130 kV L9181-02



150 kV L12161-07



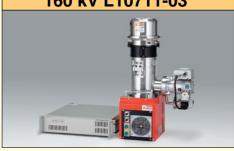
OPEN TYPE



160 kV L11091



160 kV L10711-03



230 kV L10801



Please access website and see individual catalogs when you need more information.

<www.hamamatsu.com/jp/ en/product/category/1001/ 3028/index.html>

FEATURES

●High power: 230 kV 1 mA (L10801)

●Minimum resolution: 0.25 μm (L10711-03)

●Geometric magnification: 1000 times or higher (L11091, L10711-03)

Transmission target: 0.5 mm FOD

●High output: **75 W** (L12161-07)

●No high voltage cable connection required
High voltage power supply is integrated with the main unit.

External control via RS-232C interface

APPLICATIONS

- Non-destructive inspection
- ●X-ray CT
- ●In-line X-ray inspection

[Applicable objects]

•Electronic component

Printed circuit board

Plastic component

•Metal component

•Food

•Beverage

•Medicine & drug

Bioproduct

SPECIFICATIONS

Type No.	Tube voltage operational range (kV)	Tube current operational range (μΑ)	Maximum output (W)	X-ray focal ^① spot size (Min.) (μm)	X-ray beam angle Approx. (degree)	FOD ^② Approx. (mm)
L9421-02	20 to 90	10 to 200	8	5	39	9.5
L10101	40 to 100		20		42	6.8
L10321					118	7.3
L9631	40 to 110	10 to 800	50	15	62	16.8
L9181-02	40 to 130	10 to 300	39	- 5	45	13
L12161-07	40 to 150	10 to 500	75		43	17

Type No.	Tube voltage (kV)	Tube current (μA)	Maximum output (W)	Minimum ^{①③} resolution (μm)	X-ray beam angle Approx. (degree)	FOD ^② Approx. (mm)
L9931	20 to 110	0 to 200	4.5	4	120	0.5
L11091	20 to 160		8	1		
L10711-03				0.25 4	140	
L10801	20 to 230	0 to 1000	200	4	40	5

Nominal value

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②Focus to object distance

³ Minimum resolution when X-ray chart is used.

⁴ Suitable measurement conditions (environment and equipments) are necessary.

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