

MICROFOCUS X-RAY SOURCE SERIES

SEALED TYPE

90 kV L9421-02



100 kV L10101, L10321



110 kV L9631



130 kV L9181-02



150 kV L8121-03



OPEN TYPE

110 kV L9931



160 kV L9191



160 kV L8321-01



Please access website
www.hamamatsu.com
 when you need more information.

NEW 100 kV
 MICROFOCUS X-RAY SOURCE
 L10101

Short FOD: 6.8 mm



FEATURES

- Short Focus of Object Distance (FOD): 6.8 mm
- High Power: Maximum Output 20 W
- Focal Spot Size: 6 μm (ø 4 W)

APPLICATIONS

- Non-destructive Inspection System
- X-ray CT System
- In-line X-ray Inspection System
- (Applicable Objects)
 - Electronic component
 - Plastic component
 - Medical equipment

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X-RAY
 SOURCE 110 kV
 MICROFOCUS X-RAY SOURCE
 L9631

Optimum for In-line X-ray Inspection System



FEATURES

- High Output: 800 μA (50 W)
- High Stability
- Manual Pulse Control (RP-220C)
- Easy Handling

APPLICATIONS

- Non-destructive Inspection System
- In-line X-ray Inspection System
- X-ray CT System
- (Applicable Objects)
 - Electronic component
 - Plastic component
 - Medical equipment

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FEATURES

- **X-ray Focal Spot Size: <1 μm (L8321-01)**
- **Geometric Magnification: 1000 Times or Higher (L9191, L8321-01)**
Transmission target: 0.5 mm FOD
- **High Output: 75 W (L8121-03)**
- **No High Voltage Cable Connection Required**
High voltage power supply is integrated with the main unit.
- **Externally Controllable**
RS-232C interface provided as standard

APPLICATIONS

- **Non-destructive Inspection**
- **X-ray CT System**
- **In-line X-ray Inspection System**

[Applicable Objects]

- **Electronic component**
- **Plastic component**
- **Food**
- **Medicine & drug**
- **Printed circuit board**
- **Metal component**
- **Beverage**
- **Bioproduct**

SPECIFICATIONS

Type No.	Tube Voltage (kV)	Tube Current (μA)	Maximum Output (W)	X-ray Focal Spot Size (Min.) (μm)	X-ray Beam Angle (Max.) (degrees)	FOD * (mm)
L9421-02	20 to 90	10 to 200	8	5	39	9.5
L10101	20 to 100		20			6.8
L10321						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
L8121-03	40 to 150	10 to 500	75		43	17
L9931	20 to 110	0 to 200	4.5	4	120	0.5
L9191	20 to 160		6	1		
L8321-01				<1		

* Focus to object distance

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WEB SITE www.hamamatsu.com

HAMAMATSU PHOTONICS K.K., Electron Tube Division

314-5, Shimokanzo, Iwata City, Shizuoka Pref., 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205

U.S.A.: Hamamatsu Corporation, 360 Foothill Road, P. O. Box 6910, Bridgewater, N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com

Germany: Hamamatsu Photonics Deutschland GmbH, Arzbergerstr. 10, D-82211 Hersching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658 E-mail: info@hamamatsu.de

France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10 E-mail: infos@hamamatsu.fr

United Kingdom: Hamamatsu Photonics UK Limited, 2 Howard Court, 10 Tewin Road Welwyn Garden City Hertfordshire AL7 1BW, United Kingdom, Telephone: 44-(0)1707-294888, Fax: 44(0)1707-325777 E-mail: info@hamamatsu.co.uk

North Europe: Hamamatsu Photonics Norden AB, Smidesvägen 12, SE-171-41 SOLNA, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01 E-mail: info@hamamatsu.se

Italy: Hamamatsu Photonics Italia: S.R.L.: Strada della Moia, 1/E, 20020 Arese, (Milano), Italy, Telephone: (39)02-935 81 733, Fax: (39)02-935 81 741 E-mail: info@hamamatsu.it

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