

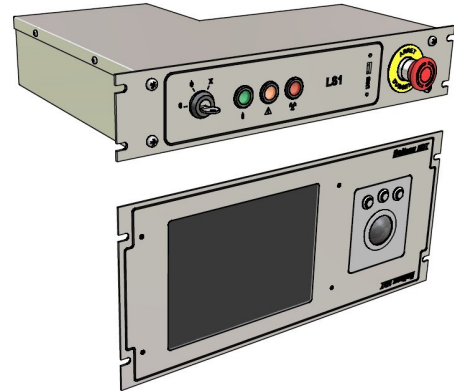
The LS1D is the System version of our LS1 desktop control unit. This version is then designed to be integrated in Cabinets and Electrical enclosure or bays

The LS1D is a micro processor based unit able to drive any generators of the BALTOGRAPH® series. From 100kv models to 450 kV, this control unit will automatically recognize, Units and tubes connected.

An innovative and evolutive embedded software made by Radiographers, with downloadable additional features, is the brain of all operations and thanks to the central Ball navigator®, operations and selections are becoming intuitive and easy.

The Large TFT colour screen eases the reading of parameters and highlights the important information that are on the screen.

Working status can visually be checked at all time to ensure maximum security.



Pragmatism

Only one connector is linking the LS1 to the generator to bring both power and generator's data connexion. The LS1 becomes your centre of operation for all that is concerning Exposure, Parameters selection and memories, even for the maintenance or the Calibration of your unit. All operations are performed through robust stainless steel IP54 Ball navigator® which assures precise control of all menus and variables.

LS1 Software

Based on a well known industrial operating system and developed by BALTEAU, the LS1D Software is the key of the system.

The built in software offers different very useful operating modes developed by BALTEAU in the former CSD series like TV mode, Auto preheating, Diagnostic mode, Calibration and KWC.

For instance KWC mode will automatically adapt the Current to the Voltage following the load curve of your tube without the need to manually perform adjustments. Another very nice feature built in is that exposure and load curves for the connected tube can be recalled as active parameters for automatic exposure programming.

Tube management and different user's memories are included in the basic software and other different plug-ins can also be added later on by simple Web download.

The LS1D has input/output possibilities for reporting, parameters setting, etc, through Mass memory devices (USB keys) or I/O programming (optional) for systems integration (OEM products). Messages and status are displayed by a large industrial TFT color display.

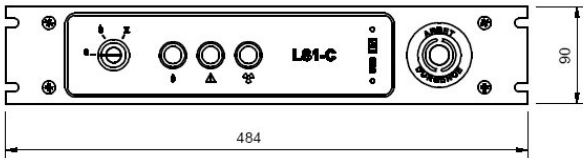
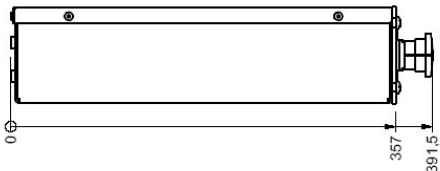
Service and maintenance

When service or maintenance are required, it is very useful to have the possibility to retrieve raw data and eventually communicate it to the closest service center for pre diagnostic. The LS1D is offering this feature and more by monitoring several parameters of your generator, your tube or the control unit and recording this for further use or for preventive maintenance. Calibration can also be operated while using this feature.

Expandability

The LS1D can become the starting point of your expansion to more complex Systems by providing multiple interfacing possibilities with Manipulators, Image processing Systems, or Detectors. See our Systems engineers to see how this can be done and to obtain a clear vision of what our LS1D can really do with your requirements.

Specifications

Mechanical			
			
Electrical			
Mains	V	90 – 245	
Frequency	Hz	45 – 66	
Measure of kV and mA		True measure	
LED display and safety device		3 positions key switch, Mains ON, X-ray ON, Prewarning Emergency stop, Buzzer for audible warning	
Embedded software			
Main screen		Selection mode, settings and controls	
kV step		1 – 2 – 5	
mA step		0,1 – 0,2 – 0,5	
Memories		10.000 with users directories	
Modes		Standard user, Supervisor, SAV (Maintenance and service)	
Misc.		Multiple tubeheads database management, Built in Help & Operating manual, Exposure curves, Database option, Intelligent preheating, ...	
Connections		Environmental	
Generator connection	Sub-D24	Operating temperature °C Protection	+5 to +50 IP54
Device connection	1 x USB 2.0		
RS232 serial interface	Sub-D9		
Optional accessories			
USB storage device, USB mouse, Sub-D9 connector for 4 configurable and programmable I/O			

Producer

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Distributor



All specifications are non contractual and are subject to change without prior notice