

Pixel SC 50kW

Touch Screen X-ray Generator



PRODUCT DATA

Product data

Pixel SC 50kW – Rev. 1 (March 2015)

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Main features

Pixel SC 50kW is a **microprocessor-controlled** high frequency X-ray generator, designed for Radiography X-ray applications and it is one of the easiest to install on the market.

The system is very easy to use thanks to the 5,7" **color touch screen** console. Pixel SC 50kW can work in 3 points technique (kV – mA – ms) or 2 points technique (kV – mAs) up to two working places (2 potter bucky).

Other features

- Extensible two-stages hand switch (preparation and exposition)
- Software routine for the automatic self-setting of all calibration parameters
- Automatic calculation of the tube accumulated heat with indication, on the display, of the thermal units UTH, taking into account the tube cooling rate
- System's self-test with indication of the failure type
- Automatic storage of up to 500 Alarm messages with indication of the date and time of beginning and end-of-alarm
- Storage of the number of X-ray shots/given mAs/tube's starts-of-run
- Possibility to display messages and alarms in **8 different languages**
- On-Line Operating and Technical Manual for the Operator and for the Technical Service
- **Anatomical Programmable Techniques:** 8 Exam x 5 Anatomical Zones x 3 Body shape positions with setting of the patient's Size (Large-Medium-Small) **120 APR**
- Optional **Automatic Exposure Control**
- **Tomography:** selectable exposure priority

TECHNICAL FEATURES	
<i>Max Power</i>	50 KW
<i>Power supply</i>	230 Vac +/- 10%, 1 Ø + N
<i>Frequency line</i>	50/60 Hz
<i>Output Frequency</i>	40kHz
<i>Radiography KV</i>	40 to 150 KV
<i>mA range</i>	32 to 400 mA
<i>mAs range</i>	0,5 to 125 mAs (optional 250 mAs)
<i>Exposure time range</i>	2 ms to 5 seconds
<i>Operating modalities</i>	2 points technique (mAs; KV) - 3 points technique (mA, s, KV)
<i>Rack dimensions</i>	mm 600 x 400 x 1190 (h)
<i>Rack weight</i>	150kg (5kg console)

CLASSIFICATIONS

Pixel SC 50kW has been designed, built and tested accordingly to European directives MDD 07/47CE (ex 93/42CE), and, in particular, to the following technical requests:

CEI EN 60601-1

CEI EN 60601-2

CEI EN 60601-2-32

CEI EN 60601-3

Accordingly to Annex IX 93/42/CE, **Pixel SC 50kW** is a Class II b device.

INSTALLATION AND WARRANTY

Pixel SC 50kW can be installed only by authorized technical personnel that has been appropriately trained by ITALRAY. Upon request, ITALRAY Installation Office can prepare system installation layouts (including eventual construction/electrical).

ITALRAY guarantees its medical devices for one year from shipment date. It is possible to extend the period by subscribing to a service contract with modality and need of the customer.

PACKING AND TRANSPORT

Pixel SC 50kW can be packed in two different ways.

- For *sea transport*: wooden case with barrier bag
- For *normal transport*: wooden case

ITALRAY reserves the right to make modifications without any prior notice.

