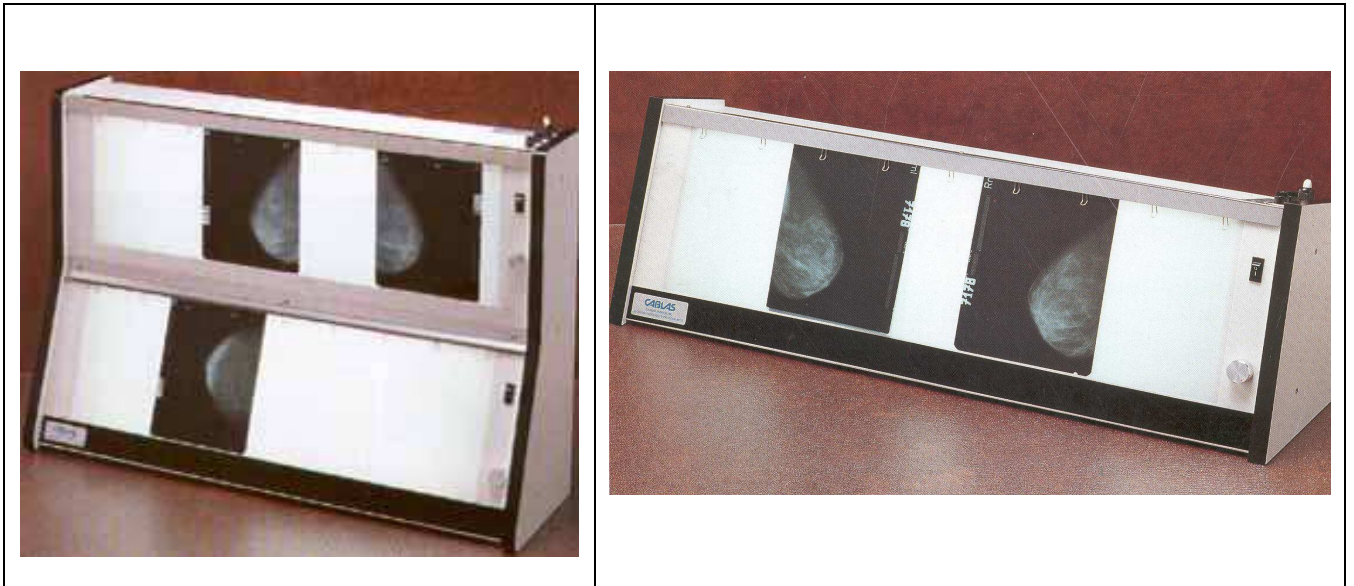


CABLAS s.r.l.

Via Michelangelo Buonarroti, 52/B - 20093 Cologno M.se (Mi)

X-RAY FILM VIEWER FOR MAMMOGRAPHY HIGH FREQUENCY



INSTRUCTION AND INSTALLATION HANDBOOK



REV.01/2015

1.0 INTRODUCTION

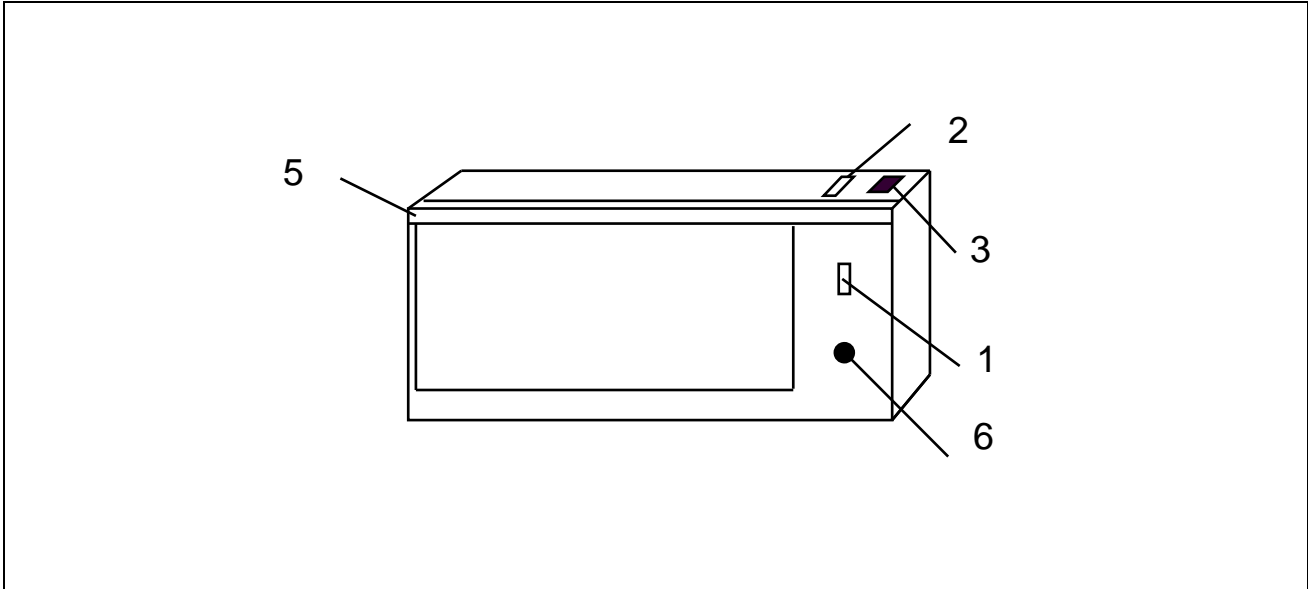
Stove enamelled steel structure. Lighting is given by 4 fluorescent tubes with colour temperature of 6000°K. The detailed study of their position has allowed an homogeneous lighting on all the surface of the screen. Diffuser in smelted opaline acrylic.

Speed switching by means of electronic reactors of 40.000Hz which avoid lamps flutter.

All the illuminators are equipped with special electronic regulator, which allows a very good light regulation from 100% to 10%.

All the electrical components conforms to the strictest Norms in force. The apparatus is equipped with pressing rolls film holding system. All the x-ray film viewers are of Class 1.

1.0a DESCRIPTION



LEGEND

- 1) General bipolar switch
- 2) Cable connection with flush fuse-holder (fuses value is shown on the data-plate)
- 3) Data-plate
- 4) Opaline diffuser
- 5) Film-holder profile
- 6) Light regulator

2.0 INSTALLATION

Before installation process, check that all the delivered material is complete in all parts.

2.1 Wall fixing

Wall fixing of the illuminator must be done only through expansion dowels (anti un-hooking).

To proceed with fixing you have to disassemble the upper film-holder (5) and slip off the opaline diffuser (4). Inside you will see two cables with holes. The person in charge for installation have to use these two holes to fix the illuminator on the wall, using, as already told, anti un-hooking dowels with washer, in order to block the head of the screw with to the holes. After wall fixing put the diffuser and the film-holder to their position before using the x-ray film viewer.

2.2 Electrical connection

Feeding 230V - 50Hz

The illuminator is supplied with feeding cable with plug and protection fuses. The customer must predispose an electrical socket with earth nearby the apparatus, which has to be connected to a bipolar switch with fuses suitable for each phase.

3.0 OPERATION

The illuminator operation is very simple. Assure you've inserted the plug into the fed electrical socket and switch on the apparatus through the apposite general switch (1). At this point the device lights up. If not control that at the socket there is a tension of 230V AC. After this control if the result is still negative, check the fuses (2) on the right side of the apparatus. If the failure persists call the nearest CABLAS technical assistance.

4.0 MAINTENANCE

The x-ray film viewer doesn't need a special maintenance. We suggest a regular diffuser cleaning with a cloth in order to remove dust and prints that could "filter" light emission and adulterate the screen.

4.1 RAPLACEMENT OF THE TUBES

In case of internal tubes replacement, follow the below instructions:

Before approaching the apparatus, assure that the switch in "off" position and that the plug is disconnected from electrical net. To approach into the viewer, open the apparatus as described in paragraph "2.1 Wall fixing". Possible replacement of the fluorescent tube must be done with another one of the same model and power in order not to compromise the correct functioning of the electrical components. Also fusible replacement must be done with the apparatus not fed. Fusible value is shown on the data plate (3).

5.0 WARRANTY

Repair or replacement of faulty parts is under warranty.

Warranty does not include indirect damages and any kind of consumer material is excluded. Moreover warranty is excluded in case of inappropriate use, incorrect use and in case of inobservance of the information contained in this manual.

ATTENTION: this handbook must be kept during all the life of the illuminator and must be always at disposal of operators and maintenance staff.

Cablas srl declines every kind of responsibility on case of omission or tampering of the device.



This apparatus is countermarked by the symbol of differentiated collection related to the electrical and electronic components material dumping. It means that this product must be brought to a differentiated collection centre in accordance with the European Directive 2002/96/CEE, in order to be recycled or demolished to reduce the possible environmental impact. For more information in this matter we suggest you to refer to the local or regional administrations. Electronic products that are not object of a differentiated collection are potentially injurious to the environment and to the human health because of the presence of dangerous substances.



**FEATURES
HIGH FREQUENCY FOR MAMMOGRAPHY**

CODE	CND	N. REP	FORMA T	OUTASIDE DIMENSIO N	WEIGH T Kg	N.OF TUBES	LIGHT SECTION	W	A	FUS.	Cd/mq
M-NM-01/AF	Z110702	55514	72X24	95x33x21	12	4-30W	1-72x24	118	0,60	1	7300
M-NM-02/AF	Z110702	55518	96X30	124x39x24	18	4-36W	1-96x30	142	0,70	1	7300
M-NM-03/AF	Z110702	55514	72X24X 2	95x63x21	23	8-30W	2-72x24	236	1	2	7300
M-NM-04/AF	Z110702	55523	96X30X 2	124x74x24	32	8-36W	2-96x30	284	1,30	2	7300

* HORIZONTAL SECTIONS MODEL

° OVERLAPPED HORIZONTAL SECTIONS MODEL

^ VERTICAL SECTIONS MODEL

CE CONFORMITY DECLARATION

The undersigned "CABLAS S.r.l."
office at Via Michelangelo Buonarroti 52/B
20093 Cologno Monzese (MI) - ITALY

DECLARES

Under own responsibility that the product

X-RAY FILM VIEWER FOR MAMMOGRAPHY HIGH FREQUENCY

Codes

M-NM-01/AF	M-NM-02/AF	M-NM-03/AF	M-NM-04/AF
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Which this declaration refers, conforms to
Directive 93/42/CEE – Medical Devices - Class 1

Moreover meets the Directive 73/23 CEE (Low tension)
89/336 CEE (Electromagnetic compatibility).

The construction conforms to Norms
EN 60601 -1,2 - Din 6856 -1,2

Cologno Monzese, year 2013

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