



Solidose Family



Solidose 300 with R100 dose detector

The Solidose family (Solidose 300, 308 & 400) is a user friendly dose and dose rate family of meters for service and quality control of X-ray equipment. It features built-in applications to simplify basic measurement needs. The Solidose is easy to use with large buttons and an informative display. The Solidose can also be interfaced to any type of computers for collection of data. The main feature of the Solidose 400 is the use of both solid state detectors and ion chambers.



Solidose 308 with R100 dose detector

- A single measuring range covering more than six decades (>120 dB).
- Built in applications such as HVL and reproducibility.
- Automatic Detector Identification (ADI) system, fully compatible with PMX-III (not Solidose 308).
- RS-232 computer interface with software (WinRAD).
- Battery operated or external power supply.
- Possible to connect other solid state detectors from RTI, using ADI system (not Solidose 308)
- Can be used together with BNC/Banana type ion chambers (optional, only Solidose 300/400).
- Both use of Solid state detectors and ion chambers (only Solidose 400).
- Bias voltage is adjustable by the user (keypad), 100 - 300 V (only Solidose 400).

Ion chamber adapter, female BNT bayonet triaxial (optional, only Solidose 400).



Solidose 400 with Magna ionization chamber

Main Features of the Solidose Family

- Dose and dose rate
- Radiography, CT, and Mammography
- Input dose rate to image intensifier
- Reproducibility
- HVL
- Relative mAs
- Dose/frame
- Ratio

Optional (not Solidose 308)

Light measurements can be made with the L100 light detector, and mAs measurements with the MAS-1, MAS-2, and MAS-3. For the Solidose 400 different ion chambers for radiography, CT, and scatter measurements are available. All chambers with BNT (bayonet triaxial) or TNT (thread triaxial) connectors can be used.

Four Different Configurations of the Solidose 308

Solidose 308 is available with only with one of four beam qualities. The Solidose 308 is a cost effective alternative for everybody that need a simple and easy to use dose and rate meter.

Solidose 308 A - For heavy filtered beams, for example input dose to the I.I. Reference point at 70 kV/23 mm Al.

Solidose 308 B - For standard radiography. Reference point at 70 kV/3 mm Al.

Solidose 308 C - For film dose mammography. Reference point at 28 kV/2 mm Al + 30 μ m Mo.

Solidose 308 D - For skin dose mammography. Reference point at 28 kV/30 μ m Mo.

Solidose 300: Accessories

O = Optional, S = Standard

Accessories	Comments	
MAS-1, MAS-2, and MAS-3	mAs meters	O
ADP-3	bios power supply	O
R25	solid state dose detector	O
R100	solid state dose detector	S
L100	light detector	O
Magna 3 cc	ionization chamber	O
HVL stand and filter kits		O
Detector extender DEX-80	positioning of dose detector	O
EXT-1	extension cable	O
Padded case and CAS-4	carrying cases	O
WDCT 10 and WDCT 16	CT ionization chambers	O*
Software		S

O* = ADP-3 required

Solidose 308: Accessories

O = Optional, S = Standard

Accessories	Comments	
R100	solid state dose detector	S
HVL stand and filter kits		O
Detector extender DEX-80	positioning of dose detector	O
EXT-1	extension cable	O
Padded case and CAS-4	carrying cases	O

Solidose 400: Accessories

O = Optional, S = Standard

Accessories	Comments	
MAS-1, MAS-2, and MAS-3	mAs meters	O
R25	solid state dose detector	O
R100	solid state dose detector	O
L100	light detector	O
Magna 1 cc	ionization chamber	O
HVL stand and filter kits		O
Detector extender DEX-80	positioning of dose detector	O
EXT-1	extension cable	O
Padded case and CAS-4	carrying cases	O
WDCT 10 and WDCT 16	CT ionization chambers	O
BNT-LEMO and TNT-LEMO	adapter cables	O
Software		S

© Elimpex-Medizintechnik, Spechtgasse 32, A-2340 Moedling, Austria
phone +43-2236-410450
fax +43-2236-410459

