

# Solidose 400

## Flexible and User-friendly Dosimeter with that Little Extra



Solidose is RTI's user-friendly dosimeter and rate meter that is used for the quality control and servicing of X-ray equipment. The Solidose 400 contains built-in applications so that measurements can be performed as simply as possible, and is the Solidose that can be used together with ion chambers. Solidose 400 does not automatically contain any calibration modules, instead you have the complete freedom to select those which meet your needs, together with an external probe, ion chamber, or both. Solidose 400 comes with WinRAD.

## Reduced Solidose Price

Right now, we offer discounted prices on our popular Solidose meters. Contact [your local distributor](#) to get more information or to place an order.

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## Main Features

Dose and dose rate

Radiography

CT

Mammography

Input dose rate to image intensifier

Reproducibility

HVL

Relative mAs

Dose/frame

Ratio

Optional calibrations (ADI)

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

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8/B For standard radiography. Reference point at 70 kV/3 mm Al.

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8/C For film dose mammography. Reference point at 28 kV/2 mm Al + 30  $\mu$ m Mo.

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8/D For skin dose mammography. Reference point at 28 kV/30  $\mu$ m Mo.

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## Details

- 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.
- 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.
- Can be used together with BNC/Banana type ion chambers.
- Use of solid state detectors as well as ion chambers.
- Bias voltage is adjustable by the user (keypad), 100 - 300 V.
- Ion chamber adapter, female BNT bayonet triaxial.

## Specifications

Charge	Range	0.5 pC-10 mC
	Inaccuracy	$\pm 1\%$ or $\pm 0.5$ pC
Current	Range	5 pA-15 $\mu$ A
	Inaccuracy	$\pm 1\%$ or $\pm 0.5$ pA
Dose (R100)	Range	10 nGy-200 Gy
		1.15 $\mu$ R-23 000 R
	Inaccuracy	$\pm 5\%$
Dose rate (R100)	Ranges	100 nGy/s-300 mGy/
		11.5 $\mu$ R/s-34.5 R/s
	Inaccuracy	$\pm 5\%$
Random error		$\pm 1\%$
Bias voltage		75-315 V
Display		Alpha-numerical 16x2 LCD
Connector		Triax LEMO type "0"
Computer interface		RS-232
Dimensions		205x135x58 mm
Weight		1.1 kg
Power source		4 power alkaline batteries type LR6 (size AA)
Battery life		20 hours
Power supply		HP F1011A (optional)

## Accessories

Dose Detector R100

Light Probe L100B



MAS-1 Probe

MAS-2 Probe



Magna 1 cc

DCT10 Pencil Ionization Chamber



BNT and TNT Adapters



HVL Filter



HVL Off