

# Dose Ace



An extremely miniaturized glass detector provides medical quality dose detection. Dose differences between the target and non-target sites are detected correctly even when the sites are in very close proximity.



Reader

Controller PC



Setting the magazine in the reader



Magazine and glass detector



Read the numbers



Annealing Tray Mini (Mini Tray)



G-Slider



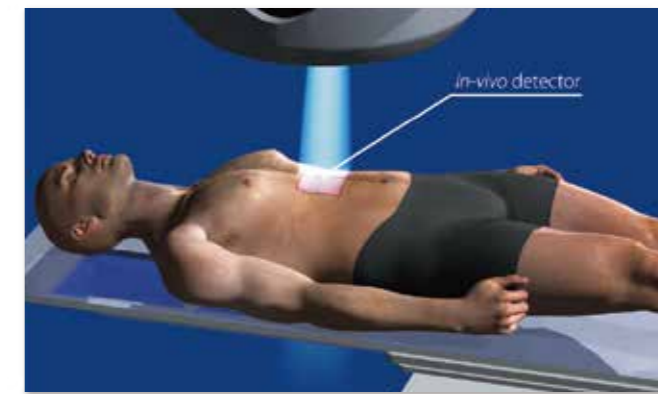
Water-Proof Holder

## Applications

- Evaluation of phantom dose distribution for radiotherapy and diagnostic imaging
- Small size animal irradiation tests
- Quality assurance of photon (gamma ray and X-ray) irradiation

## Users

- Radiology departments
- Phantom simulation institutions
- Animal irradiation laboratories



Image

## Specifications

Dosimeter element	Model & glass detector dimensions	GD-301	GD-302M	GD-351	GD-352M
		φ1.5×8.5 mm	φ1.5×12 mm (with ID)	φ1.5×8.5 mm (with filter)	φ1.5×12 mm (with ID and filter)
	Measuring range	Photon (gamma ray & X-ray) 10 μGy (Sv) to 10 Gy (Sv) [to 500 Gy (Sv) by option]			
Reader (FGD-1000SE)	Display value unit	Gy (Sv)			
	Display value range	1 μGy (Sv) to 10 Gy (Sv) [to 500 Gy (Sv) by option]			
	Reproducibility	Coefficient of variation	5% or less (at 100 μGy)		
			2% or less (at 1 mGy)		
	Continuous reading	20 glass detectors			
	Read-out time	6 seconds or less / element			
	Calibration technique	Dose calibration is automatically performed with the standard irradiation glass element and the sensitivity calibration with the internal calibration glass element.			
Power supply	100, 115, 220 & 240 AC (50/60Hz)				
Power consumption	Max. 200 W				

Note: Specifications are subject to change without notice for improvement.



Reader (top opened)



Holder



External view of GLASS Detector: GD-300 SERIES

Real scale

## Components

- Detector
- Reader
- Controller PC

## Advantages

- The high reproducibility of DoseAce has a coefficient of variation of less than 2 percent.
- When the surface of the glass becomes dirty, it can be cleared.

- you can re-measure the glass element as many times as you want.
- You can handle the glass dosimeter under light and at high temperatures.
- Repeated readouts enhance measurement accuracy.
- Homogeneous composition of PRL glass ensures stable dosimetry.
- Automatic reading system enables immediate readout: up to 20 continuous measurements.



Please refer "Dose Ace" video  
<https://youtu.be/PYLtvX5MZCE>