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.

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.

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

Specifications

<table>
<thead>
<tr>
<th>Dosimeter element</th>
<th>Model &amp; glass detector dimensions</th>
<th>Measuring range</th>
</tr>
</thead>
<tbody>
<tr>
<td>GD-301</td>
<td>1.5 x 8.5 mm</td>
<td>10 μGy (5x) to 1000 μGy (5k)</td>
</tr>
<tr>
<td>GD-302M</td>
<td>1.5 x 12 mm (with 3D)</td>
<td>10 μGy (5x) to 1000 μGy (5k)</td>
</tr>
<tr>
<td>GD-351</td>
<td>1.5 x 8.5 mm (with film)</td>
<td>10 μGy (5x) to 1000 μGy (5k)</td>
</tr>
<tr>
<td>GD-352M</td>
<td>1.5 x 12 mm (with 3D and film)</td>
<td>10 μGy (5x) to 1000 μGy (5k)</td>
</tr>
</tbody>
</table>

Reader (FGD-1000SE)
- Display value unit: 6 μGy (5x)
- Display value range: 1 μGy (5x) to 1000 μGy (5k) (5x 500 μGy (5k) by option)
- Repeatability: Coefficient of variation 5% or less (at 100 μGy)
- 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.

Note: Specifications are subject to change without notice to improve performance.

Power supply: 100, 110, 220 & 240 AC (50/60Hz)
Power consumption: Max. 200 W

Reader (FGD-1000SE)

Controller PC

Reader (FGD-1000SE)