

# POCKET ANNEALER

## PORTABLE ANNEALER FOR OSL DOSIMETERS

The Pocket Annealer provides an easy method to reset OSL (Optically Stimulated Luminescence) detectors, for INLIGHT® XA or GA types.



### TO RESET YOUR DOSIMETERS EASELY

#### ■ Portable device

Compact, lightweight and portable, the Pocket Annealer can be taken anywhere.

#### ■ Quick annealing

10 seconds are required to reset a dosimeter.

#### ■ Easy-to-use

Plug and play devices, no computer required.



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INLIGHT® dosimeter

## OVERVIEW

Pocket Annealer is a portable device allowing reset INLIGHT dosimeters up to 1 Gy.

### Startup

1. Connect the external power supply and turn on the power switch.
2. Automatic initialisation.
3. The Pocket Annealer is ready when the panel view displays «Ready».

### Detector annealing process

1. Set the annealing time:
  - Press the «M» button
  - Select the time using the arrow (for example 10 seconds for less than a 1 mSv)
  - Confirm with «OK» button.
2. Insert an IPLUS dosimeter in the slot provided for this purpose. Please observe the correct direction of insertion indicated on the top of the device.
3. The Pocket Annealer automatically extracts the OSL slide.
4. While the light illumination (annealing) is in progress, the LCD panel indicates the time remaining.
5. After the reset is completed, the pocket annealer re inserts the slide into the case and ejects the dosimeter.
6. The Pocket Annealer is ready for a new annealing cycle.

**Always check the value of the residual dose after annealing.**

## TECHNICAL SPECIFICATIONS

<b>Dimensions</b>	H 28 cm x L 28 cm x W 11.5 cm
<b>Weight</b>	5.4 kg
<b>Power supply</b>	110 - 230 V 1.6 A / 50 - 60 Hz
<b>Loading capacity</b>	Manual (1 dosimeter)
<b>Preset time</b>	Time range from 1 to 255 seconds. Time adjustment by step of 1 second
<b>Annealing performance</b>	10 seconds of exposure to reach a value less than 0.1 mSv with an initial dose < to 1 mSv
<b>Operating performance</b>	-10 °C to 40 °C
<b>Hygrometry</b>	< 90 %