



POCKET ANNEALER®

Portable annealer for OSL dosimeters

The Pocket Annealer provides an easy method to reset OSL (Optically Stimulated Luminescence) detectors, for our OSL dots called nanoDot® or our standard InLight® dosimeters.



Pocket Annealer

TO RESET YOUR DOSIMETERS EASELY

■ Portable device

Compact, lightweight and portable, the Pocket Annealer can be taken anywhere with the microSTAR® and the microSTAR®ii readers.

■ Quick annealing

10 seconds are required to reset a dosimeter.

■ Easy-to-use

Plug and play devices, no computer required.

microSTAR®, OSL portable reader

microSTAR is a portable reader for in situ assessment of OSL (Optically Stimulated Luminescence) detectors, the nanoDot or the InLight dosimeters. The microStar reader can be used anywhere to make immediate and accurate radiation dose assessments, i.e.: for emergency response, area monitoring, clinical dose assessment, or any radiation measurement.

More information on request.





nanoDot
Single point measurement



microSTAR nanoDot
adaptor



InLight® dosimeter

OVERVIEW

Pocket Annealer is a portable device allowing reset InLight and nanoDot 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 or a nanoDot with its microStar adaptor 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 on microSTAR or microSTAR ii after annealing.

TECHNICAL SPECIFICATIONS

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