

# RaySafe X2 – Measuring kVp during calibration of GE AMX-4, 4+, or 700



## APPLIES TO

- GE AMX models in kV calibration mode **only**.
- RaySafe X2 with R/F Sensor with app version 2.10.xxxx, calibrated before June 2014. (For sensor app version 2.11.xxxx and later, no corrections are needed.)

## BACKGROUND

In kV calibration mode, GE portable X-ray machines, AMX-4, 4+ and 700, generate several exposures at 52, 64, 85, and 120 kV. The kVp from each exposure is measured and the user is prompted by the machine to enter the results.

The kV tends to slowly ramp to a plateau which can lead to inaccurate kVp measurements. In order to successfully complete the calibration procedure, corrections are needed for the first exposures at 120 kV.

## INSTRUCTIONS

### kVp MEASUREMENTS FOR kV CALIBRATION

- 1) All kVp values displayed by the RaySafe X2 at 52, 64, and 85 kV can be used without any correction.
- 2) For the **first two** exposures at 120 kV, enter the **measured kVp + 4 kV** into the AMX. (In the example to the right: 113.5 kV + 4 kV = 117.5 kV.)
- 3) The measured kVp for all remaining exposures at 120 kV can be used without correction.

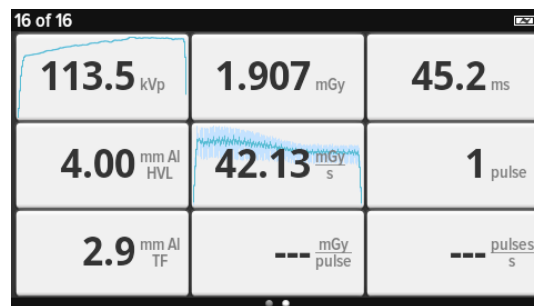


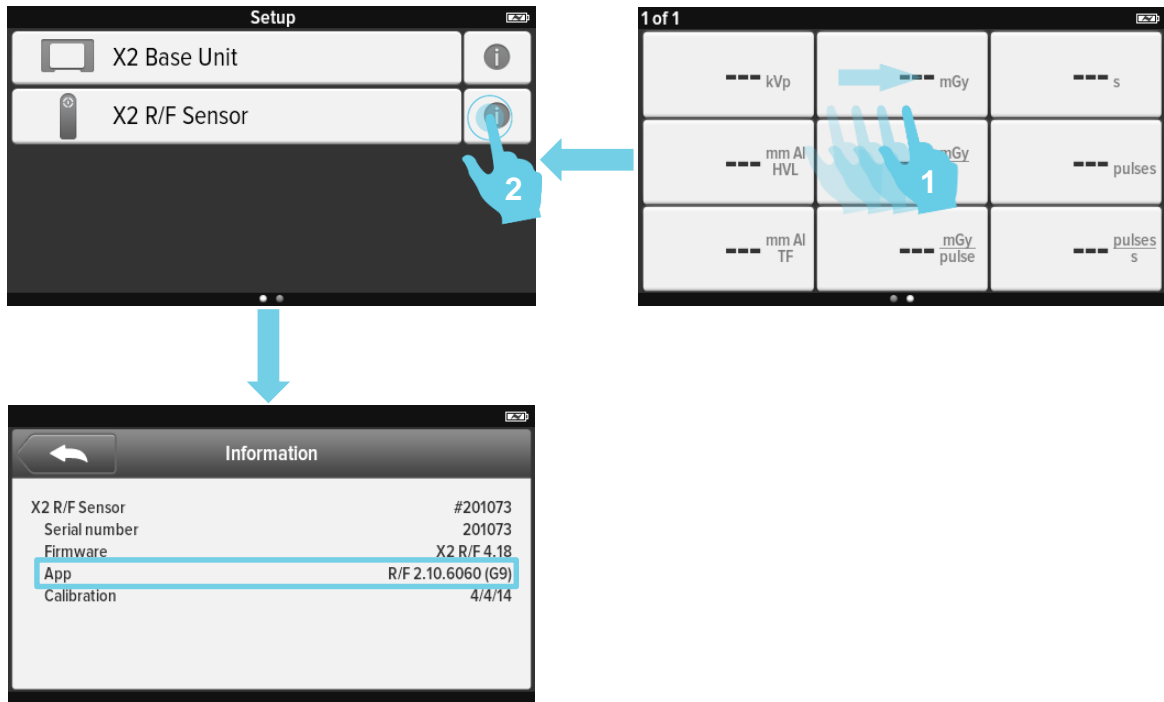
Figure 1. Example, 120 kV exposure.

# APPLICATION NOTE

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## HOW TO SEE SENSOR APP VERSION



## UPDATE OF RAYSAFE X2 R/F SENSOR

Your RaySafe X2 R/F Sensor will be updated during your sensor's next calibration at one of RaySafe's calibration labs. After the update this application note is no longer needed.

## CONTACT

Please visit <http://www.raysafe.com> for more information.