RaySafe Solo

An easy tool for Service and Quality Assurance



RaySafe™

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The product line RaySafe Solo consists of various meters for service and quality assurance of diagnostic X-ray machines. Each RaySafe Solo model includes a Base Unit and one detector, which enables most accurate and scenario-specific measurements. Depending on the RaySafe Solo model used, parameters such as kVp, dose, dose rate, pulses, time, mA and mAs are measured. Additional options such as direct HVL measurements and waveform display are available to further improve the informative value of the measured data.

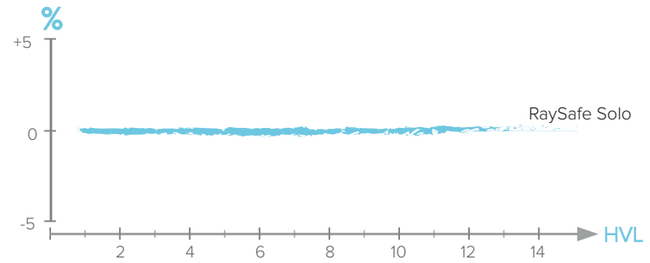
AN EASY-TO-USE INSTRUMENT

The RaySafe Solo models are easy to use thanks to the intuitive user interface and built-in intelligence. With only two keys, all settings are done easily. It takes less than one minute to acquire the first exposure. Ease-of-use saves time, but most importantly, it minimizes the risk of user errors.



ACTIVE COMPENSATION

The RaySafe Solo models are using the RaySafe Active Compensation technology for all beam qualities. Multiple solid state sensors and advanced calculations automatically determine the beam quality and therefore no further corrections of measured kVp and dose values are needed. This results in a higher degree of simplicity as well as a higher productivity rate whilst achieving maximum accuracy.



No corrections are needed for dose measurement on any beam quality.

ADDITIONAL OPTIONS FOR RAYSAFE SOLO

HVL

The HVL option enables to measure Half Value Layer (HVL) simultaneously with other parameters. There is no need to add filters or to perform calculations. When adding the HVL option the meter will also calculate and display the Total Filtration in Al.

RaySafe Solo PC Kit enables communication with a PC. All exposure data including kV, radiation and mA waveforms can be easily displayed and stored. This option includes RaySafe Xi View, a stand-alone software, which can be used to control the RaySafe Solo remotely directly from a PC.

The best way to keep a RaySafe instrument performing and looking like new is to join the unique RaySafe Service Program. Benefits are annual firmware updates and minimized life cycle costs. After each annual calibration and service, RaySafe provides an extended 12-month functional warranty, extendable for up to 5 years.

A selection of models, designed to meet the need of a specific application

RAYSAFE SOLO R/F

The RaySafe Solo R/F measures kVp, dose, dose rate, time and pulse simultaneously on Radiographic and Fluoroscopic X-ray machines. This Solo model is the solution for physicists and others, when only R/F applications are needed.

Optionally, mAs can be added. Simultaneous measurements of radiation parameters and mAs can be obtained with the detector placed in the radiation field and the meter connected to the mAs port.



RAYSAFE SOLO DOSE

The most straight-forward model in the RaySafe Solo assortment measures dose, dose rate, time and pulses on both Radiographic and Fluoroscopic X-ray machines. It is ideal when the need is limited to performing dose measurements only. With the RaySafe Solo Dose you will have full range dose meter for almost any application.





RAYSAFE SOLO mAs

Invasive mA, mAs, time and pulse measurements on X-ray machines can be performed with this Solo model. The RaySafe Solo mAs is a simple stand-alone solution for measuring tube current from diagnostic X-ray machines.

RAYSAFE SOLO MAM

The RaySafe Solo MAM is available in two models: RaySafe Solo MAM and RaySafe Solo MAM dose. They are the ideal solutions for measurements on a large variety of mammography machines. Both support the beam qualities Mo/Mo, Mo/Al, Mo/Rh, Rh/Rh, Rh/Al, W/Rh and W/Ag and measure dose, dose rate, time, pulse. Additionally the RaySafe Solo MAM also includes kV for the beam qualities Mo/Mo and W/Rh.



RAYSAFE SOLO DENT

The RaySafe Solo DENT features kVp, dose, dose rate, time and pulse measurements on cone beam CT, intra-oral and panoramic X-ray machines. For any radiation beam used in dental X-ray, the slim detector is the perfect tool. Furthermore the meter will handle any type of filtration used in dental without a need for corrections.





RAYSAFE SOLO CT

Dose and DLP measurements on CT machines can be performed with this durable solution. The RaySafe Solo CT offers precise measurements utilizing an ion chamber with 100 mm active length for calculation of CTDI. The RaySafe Solo CT is based on a hybrid detector, where the ion chamber and electronics are combined into one unit. This enables measurement of temperature and pressure inside the ion chamber.

RAYSAFE SOLO RAD

When your applications are limited to multi-parameter measurements on Radiographic machines, only this model is the better choice. The RaySafe Solo RAD measures kVp, dose, dose rate, time and pulse on Radiographic X-ray machines. If the RaySafe Solo PC kit is added, your meter will also display waveforms on a PC as well as interface to Excel for reporting purposes.





RAYSAFE SOLO LIGHT

The RaySafe Solo light offers luminance and illuminance measurements for testing medical monitors including LCD and CRT. The luminance tube is used for contact measurements while removed the instrument will measure ambient light. The detector can also be used for testing view boxes and collimators.

Unfors RaySafe offers a wide range of solutions for personal dosimetry and quality assurance and service of diagnostic X-ray.

The simplicity and user friendliness combined with maximum accuracy and state-of-the-art technology have made us a world-leading supplier of radiation measurement solutions.

RaySafe helps you avoid unnecessary radiation.

Unfors Instruments has changed its name to Unfors RaySafe
www.raysafe.com

RaySafe™

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