



PMX-III QA System

The PMX-III System performs complete X-ray Quality Control measurements. The PMX-III with its accessories offers a wide range of possibilities.



- Measures kVp, time, dose, dose rate, light, dose/frame, mA, mAs, cd/m², and lx.
- Waveforms (kV, mA, and dose rate)
- oRTIgo QC Software (optional).
- Non-invasive mA and mAs for fluoro and rad.
- Light detector for test of monitors, collimators and more (optional).
- Pre-amplifier for low dose rate measurements (optional).

You can have it all!

The PMX-III measures kVp, time, and dose - even more accurately than most others. You can also measure non-invasive mA, light output, and visualize a variety of waveforms. You have it all - in one meter!

Suited for Radiology

You can use the PMX-III for radiographic or fluoroscopic exposures. Your results will be accurate at both low and high mA. At short or long distances. All without orientation dependence. And you never need to reset - just change generator settings and take your next exposure.



PMX-III is a very compact system

Since the PMX-III is waveform independent, you can always be sure of accurate results no matter what type of generator you check.

Short exposure time is no problem for the PMX-III. With a special lock mode it is possible to measure kVp at exposure times as short as 3 ms. With the built-in electrometer, measurements of dose, dose rate, mA, mAs, light from CRTs, and much more are possible. With the solid state detector R25 and the preamplifier AMP-1 connected, PMX-III measures dose rate to image intensifiers from 0.03 $\mu\text{Gy/s}$ ($3\mu\text{R/s}$).

Two Configurations

With the PMX-III R/M, there are six different mammographic kVp calibrations included as standard. These six calibrations cover the whole range of target/filter combinations from Mo/Mo and Mo/Al, to Rh/Rh and W/Rh.

The PMX-III R/CT is specially designed for CT readings. You will benefit from two unique advantages:

1. There are always two standard calibrations included, and the possibility for two extra user specified calibrations.
2. The PMX-III R/CT does not force you to take the CT unit out of service. By using the waveform analyzer can measurements can be acquired while the tube is rotating.



PMX-III remote controlled.

PMX-III PRO Kit

The PMX-III Pro Kit is a complete and powerful package for X-ray QA. It is configured around the PMX-III. The PMX-III Pro Kit provides a full compliment of test equipment for any X-ray room. The powerful QA software oRTIgo for Windows is included for easy collection and storage of data.



Configured around the popular PMX-III Multimeter, the PMX-III PRO kit provides the service professional with a full compliment of test equipment for any X-ray room. kVp, time, dose and dose rate are measured with only one exposure, and this is just the beginning.

Output from an I.I. is not a problem because of the AMP-1 pre-amplifier. Radiographic, MAMMO and I.I. outputs are easily captured with the addition of the new ADI Multi. A simple turn of the ADI dial allows the R25 solid state dose detector to be used with multiple radiographic and mammographic configurations.

- PMX-III R/M or R/CT
- Waveform Analyzer
- oRTIgo for Windows
- Dose Detector, R25
- ADI Multi
- AMP-1, Pre-amplifier
- L-100 Light Detector
- HVL Stand and Filters
- Detector Extension Cable
- Hard Sided Carrying Case
- Manuals
- Measuring Tape
- Swiss Army Knife

PMX-III: Accessories

O = Optional, S = Standard

Accessories	Comments	
MAS-1, MAS-2, and MAS-3	mAs meters	O
ADP-3	bias power supply	O
AMP-1	preamplifier	O
R25 and R100	solid state dose detectors	O
L100	light detector	O
Magna 3 cc	ionization chamber	O
HVL stand and filter kits		O
Detector extender DEX-80	positioning of dose detector	O
EXT-1	extension cable	O
CAS-3 and Padded case	carrying cases	O
WDCT 10, WDCT 16, and PP-8/12T	CT ionization chambers / phantoms	O
WAV-2	waveform analyzer	O
oRTIgo Software		O

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