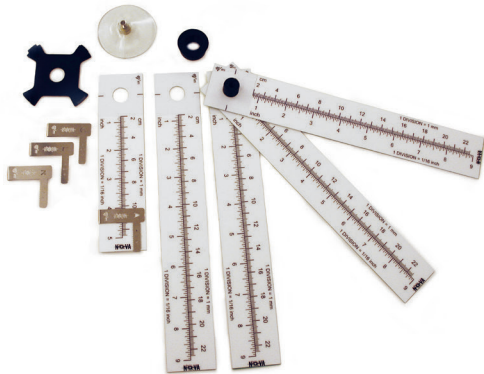




INDEPENDENT X-RAY
QUALITY ASSURANCE



Ruler Set Nova Rad general specifications

Fast and accurate X-ray - light field check

A Nova is a star that releases a tremendous burst of energy, becoming temporarily, extraordinarily bright. This is also what happens to the Nova Rad! When the X-rays hit the surface, it lights up very brightly. However, the Nova Rad is much more than a fluorescent screen; it is a complete solution which allows you to check the extension of the light field as well as the X-ray field.

Best of all, Nova will work on all types of X-ray machines - both digital and analogue - even on mammography. It is also in accordance with international standards.

Nova will be able to handle the applications related to installation, service, acceptance testing, and Quality Assurance of all X-ray equipment.

Standard compliant

When the X-ray field is larger than the detector, this introduces an unnecessary patient dose. In order to verify that the radiation really hits the patient where it is supposed to, it is important to check that the set light field matches the X-ray field. This is one of the most common and important test performed on X-ray units and is included in international standards for Diagnostic Constancy and Acceptance testing covering Radiography, Fluoroscopy, Mammography, and CT.

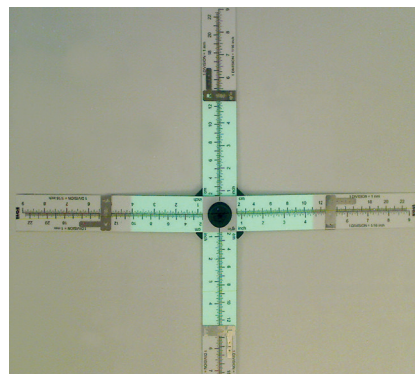
The deviation between the X-ray and light field (or digital image sensor) should be regularly checked and also always when exchanging a part in the imaging system.

Nova Rad specifications

- Art. No 9751001-04
- Four rulers
- Four orientation markers enabling the orientation of the device to be seen in the X-ray image.
- Suction cup for attachment to a flat surface.

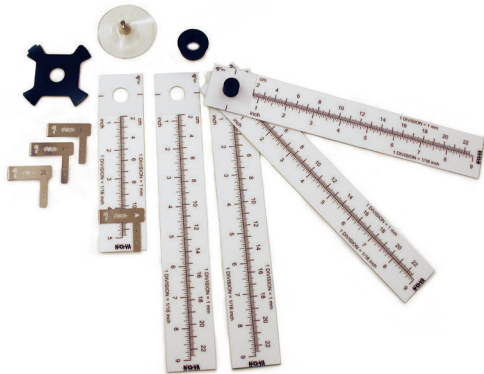
Nova Rad Lite specifications

- Art. No 9751001-05
- Two rulers
- Two orientation markers enabling the orientation of the device to be seen in the X-ray image.
- Suction cup for attachment to a flat surface.





INDEPENDENT X-RAY
QUALITY ASSURANCE



Ruler Set Nova Rad general specifications

A cost effective X-ray QA solution

Questions & Answers

- My current device for measuring the X-ray field cannot be used on all machines.*

Nova can! The fluorescent screen is very sensitive and even works on mammography systems as well as on image intensifiers. It can cover fields up to 45 x 45 cm – and with a sub 1 mm resolution!
- How can I use Nova on a chest X-ray system?*

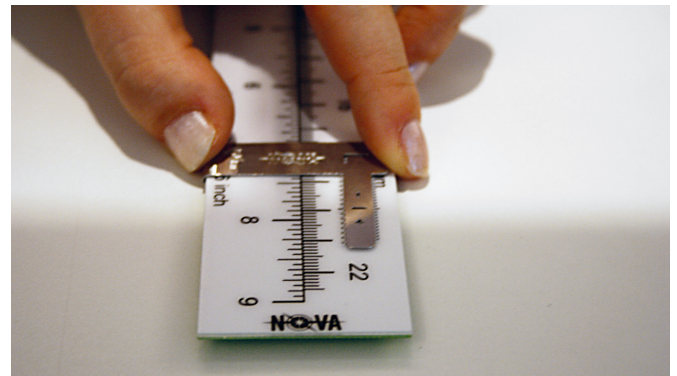
Nova has a Suction Cup holder for this, allowing it to be arranged in a vertical position.
- What if I don't want to bring a computer to the X-ray room?*

The rulers have a built-in copper scale of very dense material that makes it possible to see the radiation field on the monitor. Using the light field markers and the Nova rulers you are able to use the the image receptor - film or digital - to read the result.
- I cannot do measurements when the tube is beneath the table.*

Nova can also be used with the tube beneath the table. The X-rays will go through the table and highlights the screen from behind.
- Will the Nova deteriorate?*

No.
- There is no money for new measuring equipment.*

Nova is cost efficient. It doesn't wear out and has no calibration costs! It is reuseable and a wise investment.



Measurement specifications

Rad rulers	4 x 225 mm (9")
Rad Lite rulers	2 x 225 mm (9")
Max field size	450 mm (18")
Resolution	< 1 mm
Copper scale	Built in for visibility on X-ray image
Weight	160 g (Rad) 90 g (Rad Lite)
Sensitivity (dark room)	0.1 mA @ 110 kV, 75 cm SDD
Camera included	No
Specifications in this document may be changed without notice.	