

The RTI Piranha family



Powerful, wireless QA

Let the Piranha do the work for you!

All meters are compliant with our powerful Ocean™ X-ray QA software



INDEPENDENT X-RAY
QUALITY ASSURANCE

Piranha - the premium platform for advanced X-ray QA

Plug n play

Ocean Next™ Quick identifies your probe and selects the optimum Piranha settings for your measurements. Everything happens automatically – just “Plug n Play”. It can also be programmed to always start with the kind of set up that you usually start your QA work with.

Let the Piranha do the work for you!

A Piranha never forgets

During the measurements you will only see the desired values on your tablet or laptop but since the Piranha continues to work behind the scenes, you always have access to all of the data from each measurement.

This enables you to perform for instance trend analysis and study the history of each X-ray equipment – even months after you have completed your measurements.

Ocean Next™ software compatible

Have the power of the ocean on your laptop! Ocean can perform instant real-time analysis during your measurements. Ocean also prepares a report in the background as you go. So when the work is done, if you want a complete report of your work – just press the print button.

Use your tablet/laptop as both an interactive display during the measurements and as a powerful analysis tool when you are back at the office. All your measurements, along with the result and the report will be stored inside your tablet or laptop. No unnecessary, time-consuming data transfer at the end of the day.

The Piranha family

A ready-to-use, complete QA solution

The Piranha comes ready-to-use with everything you need included. It really is an all-in-one multifunction meter. Connect to your computer wireless or via USB, and you have a complete QA system!

The number of Piranha meters available ensures that you only pay for what you need. As your needs grow, you have unlimited ability to upgrade your Piranha. Check the Service section on our website for more details.

Position Check function

The Piranha has a unique feature that makes it possible to check the position of the detector before measuring. By using the “Position Check” function, you can verify that the detector area is fully irradiated. Possible field inhomogeneities are also neutralized.

Piranha Key Features

- All-in-one multifunction X-ray meter
- One-shot HVL for Mammography, Radiography, CT, and Dental
- Solid-state detectors = no need to compensate for temperature & pressure
- Can measure on scanning beams as well as tomosynthesis
- Optimized for X-ray equipment from a large number of manufacturers
- Built-in energy compensation
- Can be used together with ion chambers
- Wide-range detection of total filtration
- 100 meters Bluetooth range
- Unique detector design to minimize position and rotation dependence
- Automatic recognition of external probes
- Small, compact, and robust – easy to place
- Backscatter protected
- Long-lasting rechargeable battery
- Lead free
- Always free firmware upgrades
- Software easily updated via Internet or in house
- Upgrades available
- Up to ten-year warranty
- Two-year Calibration Cycle

The RTI Piranha selection guide

The premium platform for advanced and reliable QA

Our Piranha meters are divided into five main application groups - Multi, CT, Mammography, R/F, and Dental.

The Piranha MULTI (657) can be used for X-ray QA of all modalities, whereas the other Piranhas are dedicated to one specific modality. All meters have Bluetooth connectivity and are compliant with our powerful Ocean™ software.

Piranha meters	MULTI (657)	R/F (557)	CT (455) CTD	CT (455) IC	MAMMO (355)	DENTAL (255)
Tablet compatible	•	•	•	•	•	•
Ocean software compatible	•	•	•	•	•	•
Waveform	•	•	•	•	•	•
Dose & Dose rate	•	•	•	•	•	•
Quick HVL	•	•	•	•	•	•
R/F	•	•				
Mammography	•				•	
Dental	•	•				•
CT	•	•	•	•		
kVp & Time	•	•	•	•	•	•
HVL & Total Filtration	•	•	•	•	•	•
RTI Dose Probe	•	•	•	•	•	•
RTI CT Dose Profiler	•	•	•	•	•	•
RTI CT Ion Chamber	•	•	•	•	•	•
RTI Mas-1, Mas-2, & Light Probe	•	•	•	•	•	•

• Standard function • Optional

R/Fxa..... Meters for radiography and fluoroscopy.
Mammography Meters for mammography.
CT Meters for CT.
Dental..... Meters for dental (intraoral, panoramic and CBCT).

Dose Probe Useful when higher sensitivity and minimal perturbation of field are required.
CT Dose Profiler For CT dose profile measurement.
CT Ion Chamber To acquire all standard CTDI parameters.

Specifications in this guide may be changed without notice.

Piranha CT (455)/CTDP

Piranha CT (455)/IC



Piranha R/F (557)



Piranha MULTI (657)



Piranha MAMMO (355)



Piranha DENTAL (255)



Ocean Next™ - the new power in X-ray QA software



Ocean Next™ - the new power in X-ray QA software



The power of the ocean - on your laptop

The importance of dedicated software applications to conduct professional QA is growing. Excel is flexible but simply not enough to meet the demands for traceability, compliance, and efficiency.

Since its launch in 2014, Ocean™ has been *the* market-leading software for X-ray QA, addressing customers' needs all the way from Quick, for daily checks, to advanced QA with workflow, automation, and traceability in Professional in easy steps.

If you want a swift, easy-to-use application for routine controls, or a customized application with workflow, automatic tests, and traceability, the new Ocean Next™ software suite provides you with both options.

The software's recognition and efficiency make it central to our X-ray solutions, and it is compliant with all our Piranha and Cobia meters as well as the new Scatter Probe.

You can plan the measurements in advance, create checklists, add information as a pop-up window for a specific exposure, and include instructions to simplify the work for you and your co-workers using a streamlined user interface.

Choose from three different license levels: **Quick**, **Advantage**, and **Professional**.

Quick

Start measuring within seconds. The application detects what instrument and probes you have connected to assist you the best way possible – just “Plug n Play”. The interface adapts, and all the measured parameters are displayed on one screen. The results and waveforms can be retained in the database for later review and compiled in a report.

Ocean Next™ - the new power in X-ray QA software

Advantage

For more advanced QA measurements than Quick, the Advantage license enables customization of templates to suit your specific needs. Predefined workflows, automation of steps, and graphs. In the Studio View, you can design single-page templates (including analysis and checklists) and important reports, e.g. with your own logo and own layout.

Professional

For trend analysis and full traceability of your measurements. Ocean Next Professional allows you to build a holistic solution for your X-ray QA, by storing your measurements in a searchable database structured to your individual needs. The archived measurements are available for quick and intuitive retrieval.

Which Ocean Next™ suits you best?	Quick	Advantage	Professional
Built-in display function	▪	▪	▪
Save function	▪	▪	▪
Basic report printing	▪	▪	▪
Basic Excel connection	▪	▪	▪
Advanced report printing		▪	▪
Advanced Excel connection		▪	▪
User-defined tests & checklists		▪	▪
Analysis with pass/fail limits		▪	▪
Reporting		▪	▪
CT Dose Profiler support		▪	▪
Single-page templates		▪	▪
Multi-page templates			▪
Site database			▪

Service & Warranty

Since its establishment in 1981, RTI Group has been delivering world-leading X-ray QA “solutions” of meters and probes.

Two-year calibration cycle

Due to the high reliability of RTI products, we recommend a two-year calibration cycle. To make it convenient for you, we offer to keep track of when your solution needs to be sent in for calibration. We will send you a reminder two months before your calibration is due, giving you time to plan and schedule your work.



RTI is proud of its ISO/IEC 17025:2017 accreditation – “General requirements for the competence of testing and calibration laboratories”. This is a guarantee that we comply with obligations under the international standards, and that we have a quality management system in place to assure that the calibrations we perform are of the highest quality - each and every time.



The RTI conditional Extended Warranty program, for the Piranha, gives you up to ten-year warranty. Each instrument comes with a two-year warranty. By joining the Extended Warranty Program, you can increase your warranty two years at a time – up to ten years.

Let's work together

At our accredited calibration labs, your solution is always in the best hands. Trained RTI service engineers take the very best care of your meter(s) and probes, making sure they perform better for longer. As an owner and user of any RTI solution, you are guaranteed to always receive prompt and professional support if and when required.

**A reliable and
dependable
service, each
and every time.**



Piranha accessories



RTI Dose Probe

The dose probe is intended for low dose rate measurements, such as input dose rate to image intensifiers.

Art. No9730003-00



RTI T20 Dose Detector

A solid-state detector, dedicated for measurements on R/F systems when it is crucial that the detector itself does not have any effect on the system output or disturbs the X-ray beam. Despite its small size, it is protected from picking up backscatter

Art. No9730015-00



RTI CT Dose Profiler

A pioneer at measuring CT. The RTI Dose CT Dose Profiler is used for evaluation of CT and CBCT systems. It is robust and fits into existing standard phantoms used for CTDI measurement

Art. No9730013-00



RTI CT Ion Chamber 10 (top) & 30 cm

The RTI CT Ion Chamber is a rugged, cylindrical pencil-shaped vented ionization chamber. The 10 cm is intended for measuring and monitoring the exposure output level of CT scanners in a phantom or free-in-air. The 30 cm for CTDI measurement when the beam width is 4 cm or wider.

10 cm Art. No9730025-00
30 cm Art. No9730026-00

Piranha accessories



RTI MAS-1

The MAS-1 Probe is an invasive probe for the measurement of mA and mAs. Direct readings of mA and mAs, as well as waveform, are obtained. The simple way of invasive measurements

Art. No9730005-00



RTI MAS-2

The MAS-2 Probe is a clamp-on probe for non-invasive measurement of mA and mAs. The major advantages are that the probe is easy to use and safe. No connection inside the X-ray generator is needed. The simple way of non-invasive measurements.

Art. No9730006-00



RTI Light Probe

Light probe for brightness measurements (luminance) on monitors and film viewing boxes as well as measurements of ambient light (illuminance) in the viewing room.

Art. No9730007-00



Piranha Panoramic Holder/Vertical Holder v.4

This holder is designed for attaching the Piranha to dental panoramic equipment or vertical mounting. It can be mounted with an adjustable strap or magnets.

Art. No9744007-00

Piranha accessories



Ion Chamber Magna 1 cc

The Magna 1cc ionisation chamber is designed for mammo-graphy dose measurement. It has an excellent energy response, and this is why it can be used for radiographic applications too

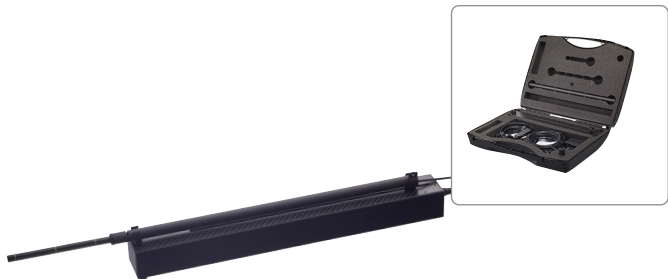
Art. No9706100-00



RTI Scatter Probe

A revolution within scatter detection. A rugged, flat, solid-state detector for leakage and scatter detection in X-ray environments. Its unique design - two separate detector areas of 10 and 100 cm² - fulfills current regula-tions and standards for X-ray leakage and scatter measurements.

Art. No TBC



RTI LoniMover™

The RTI LoniMover™ is the perfect tool to help you with accurate and reproducible measurements on your Cone Beam CT. Works both with a Pencil Ion Chamber or a CT Dose Profiler. Comes with LoniCT software, and operates simultaneously with Ocean™ software.

Art. No9730030-00



RTI Chamber Adapter

External module for connecting ion and DAP chambers to RTI meters. Supports ion chambers with LEMO triaxial connectors. A measuring range of 10 pA – 0.7 µA.

Art. No9730016-00

Piranha cases & accessories



Soft Shell Case

A perfect solution for storing your Cobia or Piranha meter. Along with power supply, tablet and a couple of probes, your QA solution fits perfectly into this case.

Art. No9742008-00



Piranha Premium ALU Case

This light-weight, aluminium case is not only attractive, but also just “the right size” to provide space for the Piranha and all its accessories included in the popular Piranha Premium Kits.

Art.No9742006-04



Piranha Premium Outdoor Case

A waterproof case, made with a rugged, high impact polypropylene exterior. Inside, it has many of the same design features as the Piranha Premium Case. The Piranha, and any desired accessories, are stored in two convenient and compact layers.

Art.No9742005-00

c/o RTI

What we do matters. To patients. To professionals. To us.

It is more than algorithms, technology, and design.

It is about setting the standard for quality assurance
of X-ray imaging.



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