

Important Solid State Detector Accessories by RTI Electronics



The T20 is connected to a 280 mm carbon fiber rod, allowing for measurements on an II as large as 45 x 45 cm.

If you own an RTI Piranha or Barracuda multi-meter, you may want to consider adding two special solid state detectors specially developed by RTI Electronics.

The most recent is the T20 (Translucent Detector), ideal for measurements on Rad/Fluoro systems when the detector does not affect the system output or disturb the AEC system. Typically, measurements of this kind had to be performed with an ion chamber. The adverse effects caused by the density of the size, density and design of the solid state detectors made it impossible to get good results when placed in the center of the beam.

However, the unique design of the T20 with a detector area of 20mm² · this makes it small enough to not adversely affect the X-ray system or AEC.

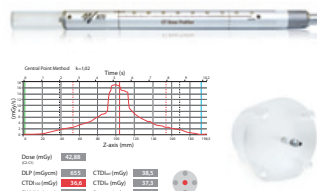
Primary applications for the T20 include patient entrance dose and maximum dose rate.

The second solid-state detector for your consideration is the RTI CT Dose Profiler. Designed for CT Qual-

ity Assurance, the second generation CT Dose Profiler can measure or evaluate several important parameters such as CT Dose Profile, CTDI_{100'}, CTDI_{w'}, CDTI_{vol'}, DLP, FWHM, Scatter Index and Geometric Efficiency.

The CT Dose Profiler comes with CT Dose Profile Analyzer PC software. Only one exposure is needed to measure and calculate CTDI_{100'}, CTDI_{w'}, CDTI_{vol'}, DLP, FWHM and Scatter index. The software permits measured data to be saved and re-opened for later reviewing. Data can also be printed or exported to Microsoft Excel for further analysis.

Both the RTI T20 and CT Dose Profiler can be used with the Piranha or Barracuda. Ask your sales representative for assistance in ordering an accessory or go to www.rti.se/products for further information.



CT Dose Profiler for CTDI measurements.

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RTI Strengthening its Position in South America

We are now pleased to present three new distributors in South America. RTI continues to grow and is now represented in 52 countries.
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Calendar Fall 2010

Illinois Clinical Engineering Expo
Oaklawn, IL, August 25-26

RPM - International Conference on Radiation Protection in Medicine
Varna, Bulgaria September 1-3

Röntgenveckan
Örebro, Sweden September 20-24

ARPS
Adelaide, Australia October 17-20

MD Expo
Austin, TX, USA October 17-20

RSNA
Chicago, IL ,
November 28-December 3

EDGE Newsletter is published three times per year by RTI Electronics. If you would like more information or have questions on any of the products featured in this issue, feel free to contact us at our head office in Sweden, Monday thru Friday 8:00 a.m. to 4:00 p.m. EST. E-mail to: sales@rti.se.
Call us at: +46 (0) 31 746 36 00

RTI Strengthening its Position in South America



In order to strengthening the position and further develop the market, RTI tries to ensure that we always have available knowledgeable and enterprising representatives to cover the world. We are now pleased to present three new distributors in South America.

Pimax in Argentina, MRA Industry Electronic Equipment in Brazil, SLI Medical in Chile. We look forward to many successful years together and wish our new distributors all the best on their markets.

RTI continues to grow and is now represented in 52 countries.

Latest RTI Firmware/ Software Versions

Just a quick reminder – keep your QA test tools up-to-date with the latest RTI firmware/software. The most recent version updates for your Piranha or Barracuda are:

- oRTIgo 6.4C
- QABrowser 4.0A
- RTI Updater 2010.3B
- CT Dose Profile Analyzer 4.0A

If you need to update your meter, you can simply go to the RTI website at: www.rti.se/service-support

Have your Piranha or Barracuda serial number handy and click “Log In”. Follow the step-by-step instructions. If you need assistance, please contact your local distributor or RTI Electronics. You’ll find the contact information to your local dealer at www.rti.se/distributors.

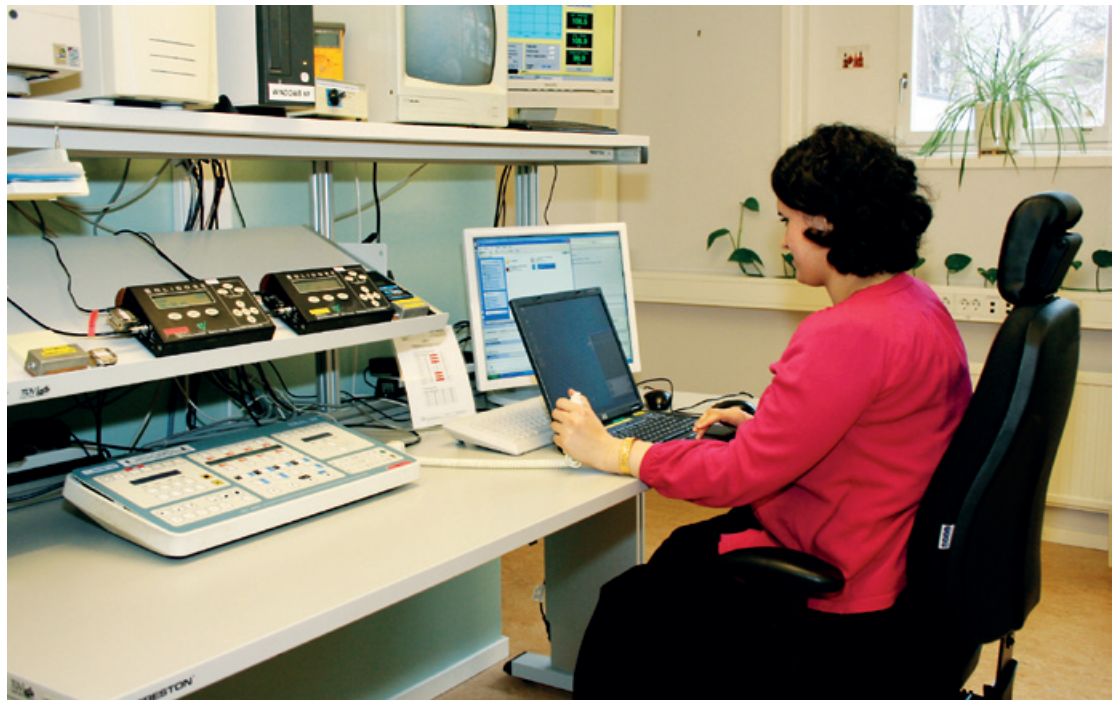
Summer is a popular time for Calibration

Now is the time to schedule service interval with the RTI cal lab. Take five minutes and let us know when you will be sending in your meter for its biannual calibration.

This will help assure you of a timely turn-around and a meter ready when you return from your vacation.

Go to www.rti.se/service-support for more information.

Innovative X-ray QA solutions ... of course!



As an accredited calibration laboratory, RTI AB quality management system is reviewed and approved by SWEDAC*,

RTI Laboratories Receive Accreditation

In a continuing effort to perform to the expectations and demands of our customers, RTI Electronics AB is proud to announce that it has recently been recognized as receiving accreditation in compliance with ISO/IEC 17025:2005 - “General requirements for the competence of testing and calibration laboratories”.

This accreditation (by SWEDAC-Swedish Board for Accreditation and Conformity Assessment)* is a guarantee that RTI AB’s calibrations are carried out impartially, fairly and based on internationally accepted standards. It provides third-party assurance that RTI AB has the quality management system to ensure all of its calibrations to be consistently of the highest quality.

This is just one further step in the RTI Quality Program. The same accreditation process (ISO 17025:2005) is being currently

pursued by RTI Electronics, Inc, in Fairfield, NJ. Kamran Younis, Product Support Engineer, indicated that this accreditation helps assure customers that the same quality that is built into the RTI products will be used in the calibrations of those products. Working with Brian Daniel, Calibration and Service Engineer, RTI USA, Younis indicated that work towards accreditation for the US calibration facility is on schedule. “Our customers will enjoy the extra level of security it brings”, Younis said.

As an accredited calibration laboratory, RTI AB quality management system is reviewed and approved by SWEDAC*, the same authority that reviews and approves the ISO 9000 certification bodies.

RTI AB equipment, personnel and methods have been indepen-

dently reviewed and approved by the technical officers and assessors from SWEDAC to fulfill the requirements needed to be able to perform correct measurements with a guaranteed traceability. An accreditation has focus on guaranteeing products to measure correctly.

RTI AB can guarantee the highest level, relevance and credibility for our calibration certificates.

Finally, as an accredited laboratory, RTI AB will regularly be reviewed to ensure that skills are maintained.



*SWEDAC (Swedish Board for Accreditation and Conformity Assessment) is the national accreditation body in Sweden. It is a government authority under the Ministry for Foreign Affairs as well as the Ministry of Enterprise, Energy and Communications. SWEDAC is also the government authority that approves all the ISO 9000 certification bodies.

RTI Ocean QA Software

RTI's new X-ray QA Ocean Software for use with the RTI Piranha and Barracuda will be on display at the AAPM in Philadelphia. New from the ground up, this PC software promises to make X-ray QA work faster, more efficient and more flexible than ever.

Using either an RTI Piranha or Barracuda, most of the operator's work will involve a single screen. Whether you fully utilize its powerful database, or simply use the display functionality, the look and feel will be the same – simple, intuitive and yet customizable. Ocean will come in three levels, Ocean Professional, Connect and Display, promising to meet the needs from the advanced user to the user who simply uses a computer as a powerful and informative display.

Those who choose to work with the Ocean Professional will find analysis, waveforms, set and measured values, global editing, and much more, all in a customizable view for test tem-

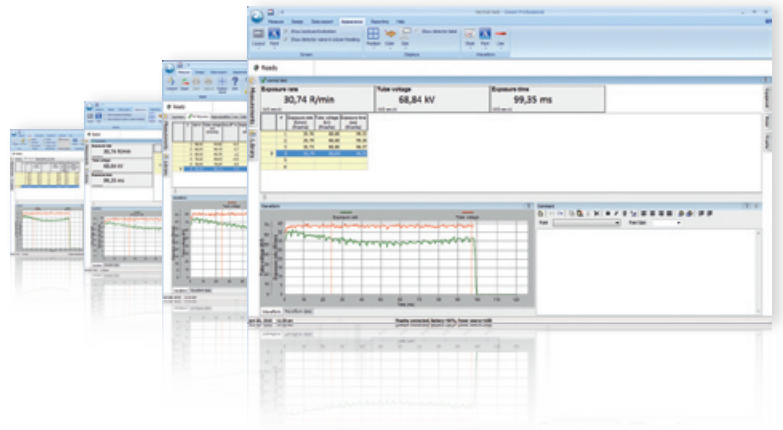
plates and sessions. With Ocean, work is easily organized but can be changed on the fly if necessary. Data is readily accessible for quick reference. Ocean's flexibility allows measurement tests and checklists to be planned in the office, saving precious time in the X-ray room.

The non-measurement check lists can also be linked to sessions. PDFs of operation and product manuals, photos and instructions can be included with test sessions. Information can be added as a pop-up for a specific exposure, helping simplify the work for the tester and co-

worker, as well as assuring a consistent and reliable report.

Of course there will be print-outs, report generator and export capabilities. All of this will be sure to make RTI Ocean the most complete X-ray QA PC software program available.

Stop by RTI Electronics display 756 for your look at the newest QA software – software the way you want it to be.



Piranha Premium and Barracuda X-ray Multi-meter Kits



RTI Electronics constantly participating at exhibitions worldwide. Go to www.rti.se to find out where to meet us, and our local representative, at an exhibition near you. The RTI's display will feature some of the most exciting X-ray QA products.

Stop by the RTI display in an exhibition near you and see the latest configurations of the Piranha Premium Kit and Barracuda Kit, RTI's multi-meter X-ray QA and Service solutions for Rad, Fluoro, Dental,

Mammo and Computed Tomography. Check out the affordability and capabilities of the Piranha line-up of multi-meters. All Piranhas are very compact, with auto compensation, built-in Bluetooth for easy set-up, with up to 15 hour battery life.

With the variety of models available, there will be a Piranha perfect for your needs. You will easily see why this multi-meter has proven itself as one of the most popular, reliable and accurate X-ray QA test tools among world wide users.

Or shop the Barracuda – robust and made to order. Expandable, the Barracuda can utilize solid state

detectors and/or ion chambers (with adapters for most common chambers). Again with auto compensation and availability in all X-ray modalities – the Barracuda has the power, capabilities, and sensitivity you demand.

10 year warranty

Of course, both the Piranha and Barracuda multi-meters are dependable and durable, as indicated by the standard RTI 2-year Factory Warranty and 2-year Calibration Cycle–upgradeable for 10 full years through the exclusive and advantageous RTI Extended Warranty Program.

The Barracuda and Piranha also

utilize both the QABrowser and Ocean software programs for safe and accurate X-ray QA test protocols and reports.

Finally, see the wide array of Piranha and Barracuda accessories from CT Probes, Light Detectors MAS Probes, and Dose Probes to special and convenient carrying cases and useful holders.



For additional information, visit us on the web at www.rti.se/products.

Measure and
Analyze in
One Shot.

A Pioneer at X-ray Measuring

A Superior Tool in Sensitivity and Filtration

The Piranha has an extremely sensitive detector, capable of measuring on low-output mini C-arms and Mammography. The Auto-Compensation pioneered by RTI, available on all our existing multi-function meters, corrects for any added filtration. This ensures confidence in the accuracy and reproducibility of measurements without compromise.

Innovative X-ray QA solutions ...of Course!



Piranha Designed to Optimize



Innovative X-ray QA solutions ...of Course!