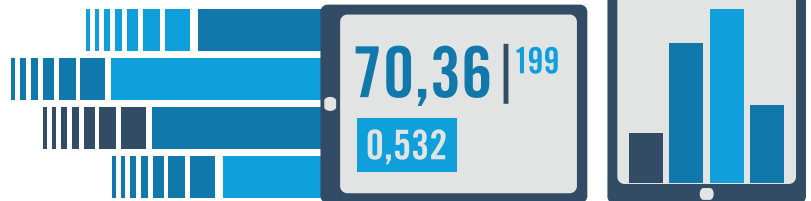




Ocean 2014 – Your X-ray QA Partner

Ocean 2014 is the diagnostic software to use with your RTI instrument. It displays all your measurements and waveforms gathered on an easy-to-read screen. Ocean suits everybody's needs, it doesn't matter if you require a full report or if you only want to use the computer as a display – Ocean adapts to you.



IN CONTROL

1. USE OCEAN TO COLLECT ALL YOUR MEASUREMENTS
2. SAVE YOUR MEASUREMENTS
3. PRESS PRINT AND YOU HAVE A COMPLETE REPORT IN YOUR HAND

Ocean 2014 is the diagnostic software to use with your RTI instrument. It displays all your measurements and waveforms gathered on an easy-to-read screen. Ocean suits everybody's needs, it doesn't matter if you are an advanced user or if you only use the computer as a display – Ocean adapts to you.

If you use Ocean in **Quick Check mode**, you will be ready to start measuring within seconds. The **Quick Check mode** detects what instrument and what probes you have connected to assist you the best way possible – just plug n' play.

By using Ocean, you can plan your measurements in advance, create checklists, add pop-up information for a specific exposure, and include instructions to simplify the work for you and your co-workers. Anyone performing the same test at a later stage will have a well-planned measurement protocol and can avoid any uncertainties in the set-up. This will reduce mistakes, increase efficiency and help to coordinate the whole workflow. Users can easily share their measurements and templates with colleagues within the same organization. Use Ocean to create standardized measurements, not only for X-ray equipment, but also for the complete X-ray room.

TAILORMADE OR “OFF THE RACK”

Ocean gives you the freedom to be creative – build your QA exactly the way you want it. You are free to add measuring parameters to your test and include your own calculations and analyses based on the measured data. Define your own pass/fail criteria and add your own checklists.

For all kind of measurements – Ocean comes with ready-made templates. Use them as they are or modify them to fit your needs. Don't reinvent the wheel!

Ocean is like a slimmed-down version of Excel®. All operations and functions that you wish to apply to your measurements are available in Ocean.

The report can be customized with your own logo and own layout. Comments and pictures can be added. So no Word® post-processing needed. The reports will look uniform and professional.

Ocean PROFESSIONAL



Ocean QUICK CHECK



TIME TO CHOOSE

OCEAN CONNECT

The time in the X-ray room is often very limited, so a fast startup is of the essence. Ocean Connect uses our new Quick Check mode which helps you to start measuring within seconds.

When using Quick Check, Ocean detects what instrument and what detectors you have connected and adjusts the layout of the screen to assist you the best way possible. All the measured parameters are displayed on one screen, and these results and waveforms can be retained in the database for later review.

You can also export your measurements to MS Excel® in a number of different ways. This gives you the advantage of utilizing existing spreadsheets and forms.

If you don't need further processing of the measurements, you can print out a report directly from Ocean. The layout of the report can easily be customized.

Ocean Connect also gives you the opportunity to measure with CT Dose Profiler.

OCEAN PROFESSIONAL

Purchasing Ocean Professional gives you all the features of Ocean Connect plus so much more. Ocean Professional is Quality Assurance for the entire room & organization. **Plan — measure — analyze!**

Ocean Professional transforms Ocean into a powerful tool, providing for the creation of specified reports, helpful graphs, and detailed analysis of X-ray measurements. It allows you to create your test templates just like you want them. Make checklists for each room or tube. Customize the layout of Ocean and apply a large number of readymade analyses to your measurements. Mark your most frequently used templates as “favorites” and they will pop up during start-up. There are a number of different ways to make trend analyses on your measurements and it is easy to see the history of a specific measurement.

You fully control your “work environment”, while Ocean controls your RTI meter!

ALSO ...

Offers bluetooth communication with RTI instruments.

Works on tablets, laptops, and desktops.

Windows XP or higher.

Free support & free updates on www.rti.se.



WHICH VERSION OF OCEAN SUITS YOU BEST?

	Connect	Professional
Always included in your new QA system from RTI.	•	
Quick Check function – get started quickly and perform simple measurements, display data & waveforms.	•	•
Work with a flexible screen layout	•	•
Store your measurement set-up as a favorite, displayed next time you start Ocean	•	•
Be able to export measurements to Excel®	•	•
Use CT Dose Profiler	•	•
Backup your database	•	•
Print outs	•	•
Print out customized reports		•
Use test templates		•
Customize your CT Dose Profile measurements		•
Create QA not just for the X-ray machine but for the entire X-ray room, and your whole organization		•
Possible to apply a large range of different analyses to your measured data		•
Trend analysis on equipment & measurements		•
Pass/fail criteria		•
History function – use old measurements as support/guidance		•
Use Ocean Central		•

ANALYZE THIS!

ANALYSES AVAILABLE IN OCEAN 2014 PROFESSIONAL

- **Accuracy** – Evaluates the accuracy of measured parameters. It calculates the deviation between a measured value and a set value (reference value) and compares against specified pass/fail criteria.
- **Reproducibility** – Evaluates the reproducibility of measured parameters. It calculates the difference from mean value, coefficient of variation and standard deviation.
- **mA linearity** – Evaluates the mA linearity. It compares the mA/exposure value of the different mA stations. It can be used with mA/time and mAs generators.
- **HVL** – Calculates half-value layer based on a number of exposures with increasing added filtration. Calculated half-value layer is compared to specified pass/fail criteria.
- **Quick HVL** – Compares the direct measured half-value layer to specified pass/fail criteria.
- **CTDI** – Calculates CTDI based on five CT dose values measured in different positions in a CT phantom. It calculates CTDI, weighted CTDI and normalized CTDI.
- **AGD (ACR, EUREF or IAEA)** – Calculates the average glandular dose according to the rules specified by ACR, EUREF or IAEA.
- **Min/Max limits** – Compares specified parameter to a high and/or low accepted limit. It can be used with all measured parameters and the user-calculation column.
- **Checklist analysis** – Analyze the result of a checklist - if it passed or failed, how many fails and how many warnings there were.
- **AEC evaluations:** AEC kV compensation, AEC mA compensation, AEC reproducibility, AEC reciprocity, AEC field balance, AEC density correction.
- **Graphs** – This analysis is used to plot two different columns against each other. You can do a line or polynomial fit to your data points. It calculates the Correlation Coefficient and Coefficient Determination and allows you to set your own pass/fail criteria.
- **User calculations** – Build your own calculations for any values in Ocean and apply other analyses such as accuracy, reproducibility and max/min limits.





FIND YOUR LOCAL DISTRIBUTOR AT WWW.RTI.SE

We offer more than just measuring instruments. We'd like to be your partner and help you in your daily work. We want you to trust us and count on us. We promise to do our best to make it easier for you in your everyday working life.

World Headquarters

RTI Electronics AB
Flöjelbergsgatan 8 C
SE-431 37 Mölndal
SWEDEN

Phone: + 46 31 746 36 00
Fax: + 46 31 27 05 73
E-mail: sales@rti.se
www.rti.se

US Office

RTI Electronics, Inc.
33 Jacksonville Road, Bldg. 1
Towaco, NJ 07082
USA

Phone: 1-800-222-7537
Fax: 1-973-439-0248
E-mail: sales@rtielectronics.com
www.rtielectronics.com

