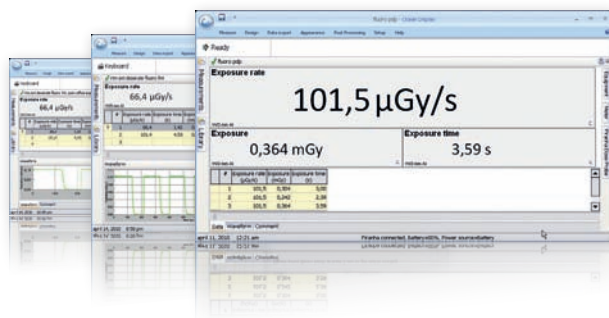


For X-ray QA and Service



QA Software the way you want it

The Ocean is not re-built, re-used, or copied. Ocean is a pioneering and powerful tool that allows you to customize your Quality Assurance in the best way – your way!

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

QA Software the Way You Want It to Be!

Ocean is a brand new software. We have listened to our customers and created a pleasant working environment for our popular fish – the Barracuda and Piranha. Ocean is not re-built, re-used, or copied. Ocean is something entirely new. Ocean allows you to customize its applications in a way that suits your current workflow best. QA Software – the way you want it.



Oce

101,5 $\mu\text{Gy/s}$

0,364 mGy

Exposure time

3,59 s

The screenshot shows a software window with a title bar that includes the 'Keytera' logo. Below the title bar, there are labels for 'Exposure rate' and '66,4 $\mu\text{Gy/s}$ '. A table with four columns is visible, containing numerical data. The table is titled 'Measurements' on the left side. The columns are labeled 'Exposure rate ($\mu\text{Gy/s}$)', 'Exposure time (s)', and 'Exposure (mGy)'. The first column is unlabeled but contains numbers 1, 2, and 3. The table has three rows of data.

	Exposure rate ($\mu\text{Gy/s}$)	Exposure time (s)	Exposure (mGy)
1	66,4	1,42	0,094
2	101,4	4,53	0,459
3			

Professional

RTI ©2010

Find your local distributor at www.rti.se

Freedom Work Flow

Create QA Work Flow *Freedom*

Get going – without any obstacles. Ocean is a database software program for X-ray QA and QC.

Known for its leadership and creativity in the field of non-invasive X-ray test equipment for 30 years, RTI Electronics has created a powerful new solution for QA testing. RTI now takes advantage of both the capabilities of its multi-meters and its latest innovations in software design.

By using Ocean, you can plan the measurements at your desk 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.

Waveforms can be studied immediately and setup is as simple as placing your meter under the X-ray beam, making an exposure, and seeing the results instantaneously. The measured data can automatically be captured in your customized Ocean database or transferred into your current Excel® worksheets.

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



Ocean

– Get Work Flow

Freedom



Adapts to You

A Quick Start

Ocean allows you to get started immediately by including examples adapted to your specific RTI meter. You are up and running quickly. Make an exposure, get a prompt result, and save your work. Voila!

Customized for You

Ocean fits everyone no matter if you are an advanced user or only using the computer as a powerful display. The software adapts to your PC environment, from a small screen on a tablet to the largest PC screens, and its look is modern with a familiar Windows design.

Use the available samples (templates) as they are or adjust them to fit your exact needs. Ocean adapts to your current data collection method, whether you are using Excel® or Open Office. Ocean allows you to put in your own acceptance limits and analysis for your Quality Assurance if you rather use the database. When you are done measuring, click one button and get your report.

Take Control all the Way

With Ocean you have a tool that will help you in your daily work. It will help you to get organized – regardless if you are checking an X-ray system or a monitor.

Reduce mistakes and increase your efficiency by adding pop-up hints or instructions and pictures. This will simplify your tasks and help provide uniform work between you and your co-workers.

There really seems to be no limits to where Ocean can take you. Set up your Quality Assurance as you want, simple or more advanced. Dig deeper, develop and analyze while maintaining productivity – Ocean is big enough.



Custom

Ocean Comes in 3 Versions

Three Versions

Ocean is uniquely designed to provide value and benefits based on how you use your RTI multi-meter.

Ocean Display Basic and powerful. This level of Ocean is always included in your new QA system from RTI. Ocean Display provides an easy-to-read display that can be used with a simple provided template, or templates customized by the user. All the measured parameters the RTI Piranha or Barracuda are known for, are displayed on one screen, and these results can be retained in the database for later review.

Ocean Connect includes the benefits of Ocean Display. It also adds the interface to MS Excel® and Open Office. This provides the user with the advantage of utilizing existing spreadsheets and forms. Easily populate your existing spreadsheets while viewing the measurements in the customizable Ocean display.

Ocean Professional With all the features of Ocean Display and Connect, Ocean Professional takes full advantage of the Access Database in organization, archiving and printing capabilities. It also means that Ocean becomes a powerful analysis tool, providing for the creation of specific reports, related graphs, and detailed analysis of X-ray measurements.

Create your test templates as you want them along with the exact analysis. Make checklists for each room or tube.

Design your display just right. You control your “work environment” and of course, Ocean controls your meter.



Waveforms & Results



Ocean's Three

1. Efficiency at Work

Ocean, like its name, is embracing. It creates a solid foundation for organizing user and equipment information, measured data, and test analysis. It gives you an easy-to-view interface on your laptop or netbook. You easily create standardized measurements, not only for X-ray equipment, but also for the complete X-ray room. Add attachments, share set-ups with each other and send global reports.

2. Organized Flexibility

Ocean is flexible. Arrange your interface the way you like it best and edit the included templates with new columns, rows or analysis. Save your main templates as "favorites". Measured data and waveforms are stored easily for later viewing and it is always possible to make additional exposures.

3. Use Your Power

Ocean is specially designed for use with your RTI Piranha or Barracuda. Because RTI customers are not all the same, Ocean is uniquely designed to provide value and benefits in how you use your RTI multimeter. It gives you access to the full power of the instruments in a very intuitive way.



Get Started

Quick

- › A Quick Start
- › Convenient Measurements

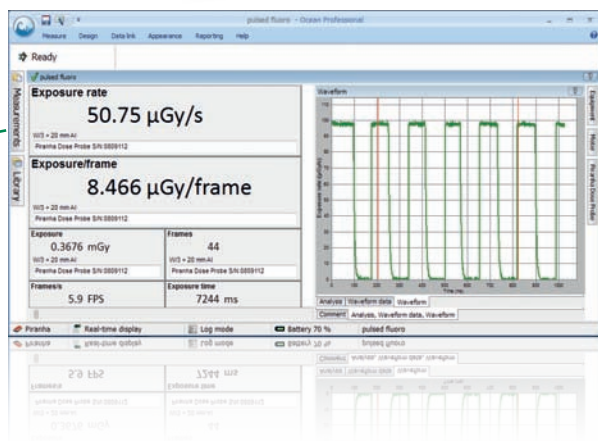
For you who want to make easy and quick measurements ...

A Quick Start

Ocean allows you to get started quickly using included examples adapted to your specific RTI meter. You are up and running in a matter of seconds. Start your PC and RTI Meter. Run Ocean and select an example that corresponds to what you like to do, make an exposure, get results and save. Voila!

Convenient Measurements

Don't get tangled up in long cables. Use your RTI system's wireless capability with Ocean – it will even work through closed doors and you can stay by the control console. Get ready for a really convenient way of working.



Personalize

Simple

- › Adapt the Software
- › Share your Set-ups

... and also would like to continue to work in the way you do today, but in a more convenient way. You would like to share your results with your co-workers.



Adapt the Software

Ocean's "look" is modern with the familiar Windows design and it doesn't matter if you use a small netbook or larger laptop or PC screen. If you like – adapt the screen to suit your taste and needs.

Use the available samples (templates) as they are or adapt them to fit your exact needs. Continue to use your current data collection method, whether you are using Excel® or Open Office. When you are done measuring, click one button and get your report in PDF format.

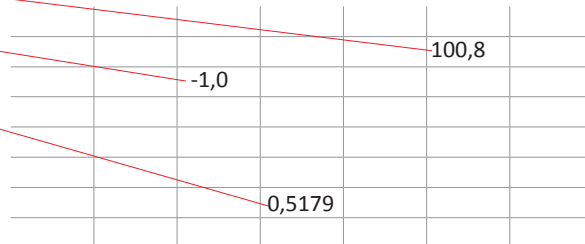
A personalized Ocean will make your work faster and easier.

Share Your Set-up

Use the export function in Ocean and send an e-mail with your test results and templates to your co-workers. When imported into their computer, they can see all data, waveforms and comments made by you and then start using the same test themselves.

Appendix

- ... and are working under heavy pressure and need to plan your measurements in advance to make the most of the limited time by the X-ray machine ...**



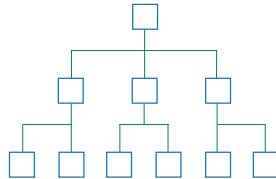
The QA or Service work is very often time-limited. Patients may be waiting outside the door and you want to acquire the necessary data and get going – without any obstacles. By using Ocean, you can plan the measurements at your desk in advance. You won't even need to connect to an RTI meter.

Use the powerful export Excel® or Open Office. Or if it suits you better, organize your work according to the built-in Ocean tree structure of sites, rooms and so on. Easily apply the analysis you need for your Quality Assurance on the measurement grid. You can use the default acceptance limits or set your own (locally or globally) to let Ocean indicate if the test has passed or failed. Then, when out in the field, run the tests and get your results, analysis and reports instantly.



Team work

- › Avoid Uncertainty
- › Take Control
- › QA for the Entire Room



**... and need an overview of an entire organization.
Every co-worker has to work in the same way, without interruption, and deliver customized reports ...**

View / Select	#	Question	Answer	Analysis
	1	OPERATOR PROTECTION		
	2	Exposure switch mounted properly?	Yes	
	3	Gloves and apron available	Yes	
	4	Gloves and apron in good condition?	No	
	5	PATIENT PROTECTION		
	6	Lead apron provided?	Yes	
	7	Technique chart available?	Yes	
	8	Filter permanently installed?	Yes	
	9	AREA SURVEY		
	10	Approved warning sign on door(s)?	Yes	
	11	EQUIPMENT		
	12	Collimator functioning properly?	Yes	

Summary
 Operator protection: **FAIL**
 Patient protection: **PASS**
 Area survey: **PASS**
 Equipment: **PASS**
 Complete checklist: **FAIL**

Total of 1 question(s) failed.
There were 0 warnings(s).

Avoid Uncertainty

Adapt Ocean to your organization and set up a standard test routine (session) that will suit your requirements. Then, to avoid future uncertainty, errors and waste of precious time, accompany the tests with smart pop-up hints and or attach a manual section or picture. By doing this, you or a colleague performing the same test at a later time, will have a well-planned measurement protocol and can easily avoid uncertainties in the set-up. This is a time-saver.

Take control

Allow everyone in your facility or company to work in a consistent manner by exporting relevant sessions to them. This will reduce mistakes, increase the efficiency and help coordinate the work for you and your colleagues. The reports will look uniform and professional.

QA for the Entire Room

In the same room as your X-ray machine there is typically other types of equipment that need to be checked. In Ocean you can include this type of equipment at the same location in the database and thereby have a complete QA for the entire room. For example, a checklist of other radiation related equipment in the X-ray room requiring your attention can be created. Ocean will help you to get organized – regardless if you are checking an X-ray system or a monitor.



Dig Deeper

Evolve

- › Analysis the Way You want it
- › Evolve

... and likes to dig deeper into your QA analysis
Ocean will organize not only the database but also
waveforms, Excel® and Open Office spreadsheets.

Analysis the Way you Want it

Ocean has lot of treasures. Add a column to your test and include your own calculations based on the measured data. Make different settings for each row, add one or more analysis to a specific column of data. Exclude selected rows that you don't want to include in the analysis. Write your own analysis result text and add your own parameters. You can do QA the way you want it.

Evolve

Everything is stored in the Ocean database such as waveforms and spreadsheets. If you work with an Excel® sheet you can choose to embed this in the database. By doing this, you don't not have to keep track of where this sheet is stored, just simply open the measurement you just stored. Even if you export that measurement to a colleague, the Excel® document will be attached and can be used. This is evolution!

Report date: 2010-09-22

Tester: Anna Svensson

Company: Test X

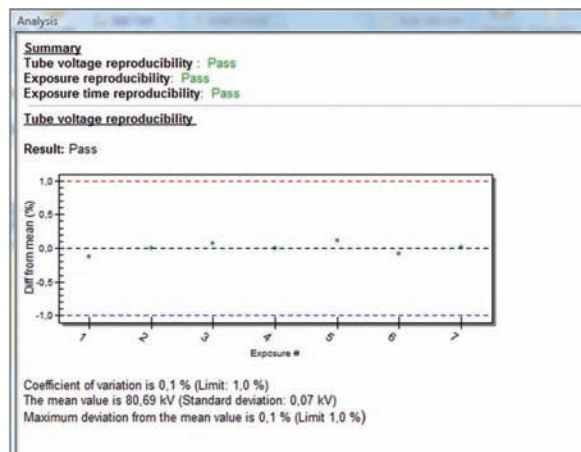
Site information

Facility name: RTI Electronics
Address: Flöjelbergsgatan 8 C
City: Mölndal
State/province: Västra Götaland
Postal code: 431 37
Country: Sweden

Department: X-ray
Room: Lab 4

Content

Title	Status	Performed	Result
Radiographic questions	Finished		Fail
HVL	Finished	9/17/2010	Pass
kVp Reproducibility	Finished	9/17/2010	Pass
kVp Accuracy	Finished	9/17/2010	Pass
General	Finished		N/A



Which Ocean version suits you the best?

	Display	Connect	Professional
Get started quickly	•	•	•
Perform simple and accurate measurements, display data and waveforms	•	•	•
Obtain precise and reliable results	•	•	•
Print out customized reports	•	•	•
Working with a flexible layout	•	•	•
Store your measurement set-up as a favorite which is displayed when you start Ocean next time	•	•	•
Be able to export measurements to Excel® or Open Office		•	•
Have the possibility to re-measure previously stored measurements		•	•
Add columns with Set Values (for automatic adjustments of the kV-range)		•	•
Get an easy overview of the entire organization			•
Create QA not just for the X-ray machine but for the entire X-ray room			•
Possible to apply different analysis to measured data in a very flexible fashion			•
Add calculations which use the measured data as input			•

Upgrades & Support

If you need support, please don't hesitate to contact your local dealer for help. You will find the contact information on our website.

When purchasing Ocean, a two-year period of free upgrades is included. The upgrades will be available on our website and will be announced by your dealer. After the two years have elapsed, you can decide to stay with the Ocean version you have or purchase a new upgrade.

Specifications Ocean

To run Ocean on your computer you must have Windows XP, Window Vista or Windows 7. Your computer must also have USB port or Bluetooth. Display graphics should be minimum 800x600.

Scandinavian Quality

RTI Electronics was founded in 1981 when several curious and enterprising students met at Chalmers University of Technology in Gothenburg, Sweden. They saw their vision grow into the beginning of RTI products – today world leading in X-ray QA and Service instrumentation.

There are many reasons why RTI Electronics has become a market leader. Besides fulfilling the highest user demands, products from RTI Electronics are known for cutting edge innovation. Other reasons include our engagement, our expertise accumulated over more than a quarter of a century, and our commitment to doing it right.

We are convinced that You will be satisfied with Your choice of product, and we would like to continue to grow – together with You.

Find your local distributor at www.rti.se



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