INDEPENDENT X-RAY
QUALITY ASSURANCE

Use with

☑ Mako ☑ Piranha ☑ Cobia ☑ Scatter Probe



Ocean Next 5.0 | Release highlights

What's New in Ocean Next™ 5.0

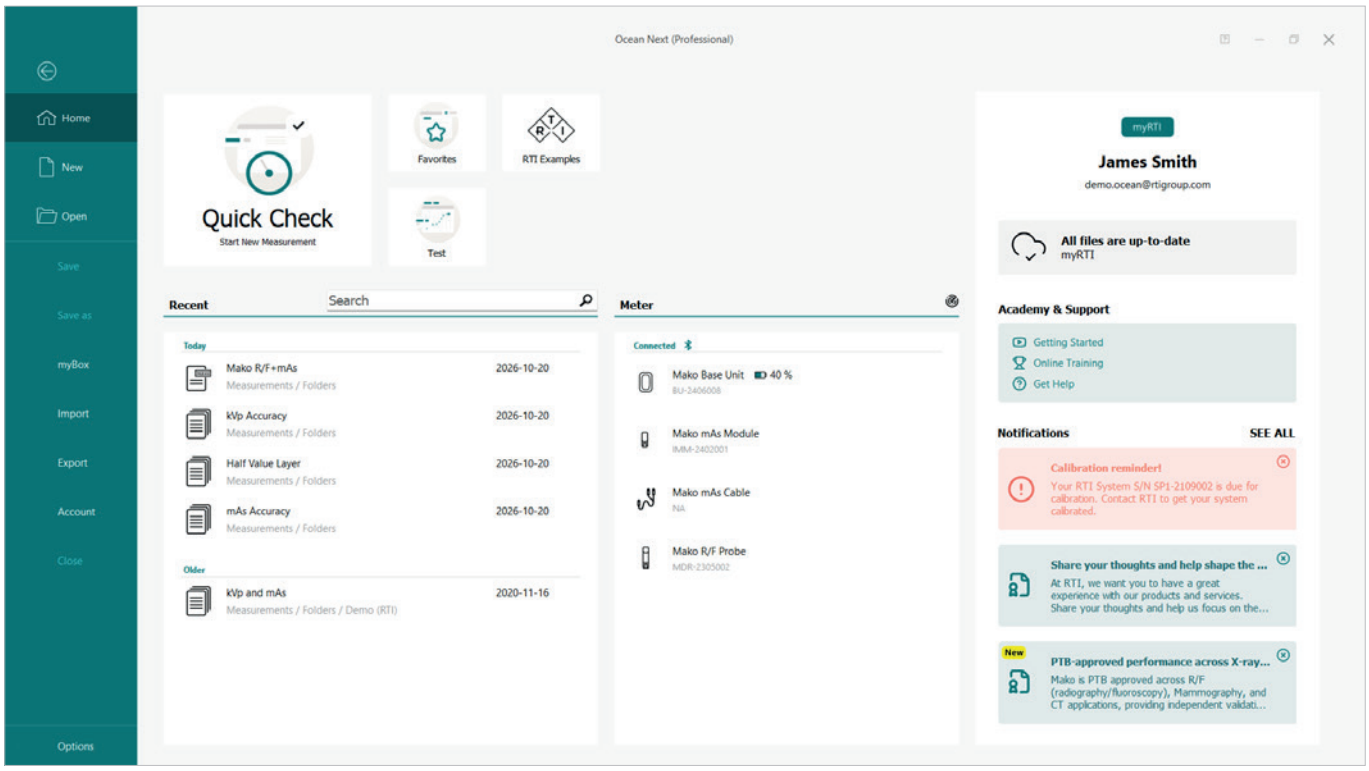
Ocean Next 5.0 release supports all RTI products including RTI Mako, RTI Piranha, RTI Cobia and RTI Scatter Probe.

The Ocean Next 5.0 release introduces several improvements, expanded device support, and usability enhancements. Below are some of the highlights, with many more updates included in the full release.

Major highlights in this release:

A brand new look!

Ocean Next version 5.0 introduces a major uplift to the Home page of Ocean Next, allowing simpler startup for new users, a more modern look and easier access to myRTI features such as Support, Training and How-To videos.

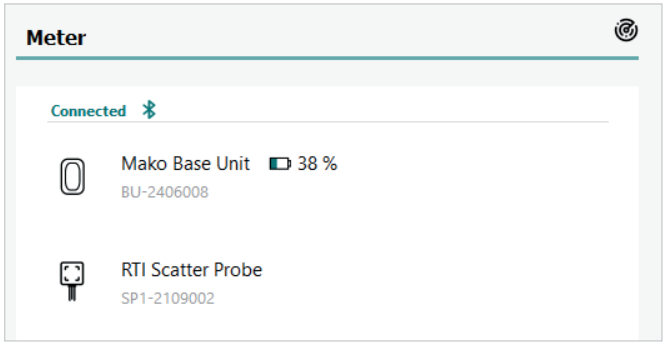


v5.0-261116

RTI Scatter Probe now integrated with Mako!

The Mako ecosystem continues to grow! The RTI Scatter Probe can now connect directly to the Mako Base Unit, bringing scatter and leakage measurements into the same intuitive workflow.

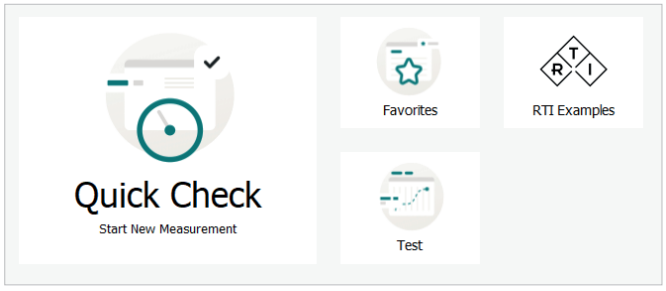
View measurements wirelessly through **Ocean Next 5.0** or the **RTI Mako Display App** (Android version 1.4) or later for greater flexibility and efficiency in X-ray testing.





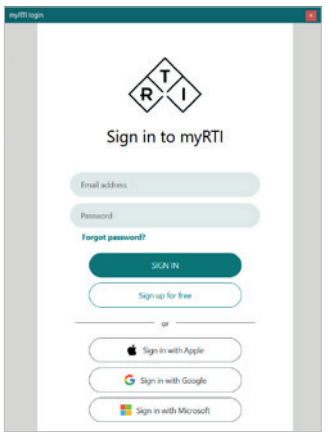
Same workflows, new look

Access Quick Check or Test View through the new, cleaner interface. A library of RTI example templates for all modalities is available directly from the Home page, making it easier to get started with Ocean templates and advanced workflows.



Platform & Connectivity

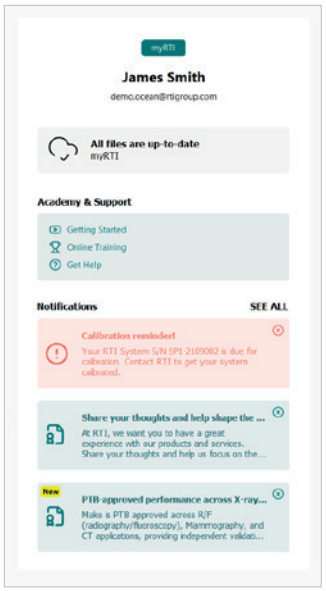
myRTI login (used to activate Ocean Next) now supports Single Sign On (SSO) with your Google, Microsoft, or Apple accounts, with a new, cleaner login window design with optional 2 factor authentication.



New myRTI panel

Access Getting Started videos, RTI Academy, and RTI Support directly from the Ocean Next Home page, all through myRTI single sign-on.

The panel also displays notifications and messages, keeping you up to date with the latest news and calibration reminders.



New Connected Meters section

Quickly connect to RTI measuring devices via Bluetooth directly from the Ocean Next Home page.

The new section displays currently connected devices, provides easy access to your meter and probe information, and offers a complete history of previously connected meters.



Improved Mako Performance

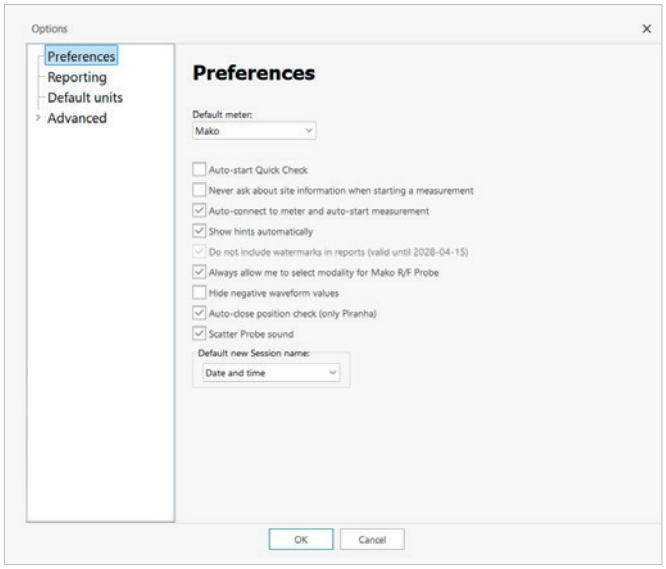
- **Significant improvements in invasive mA and mAs measurements** using the Mako mAs Module, including increased internal sampling frequency, improved waveform handling for half-wave and full-wave rectified generators, and enhanced bandwidth management.
- **Improved narrow-field detection** in narrow X-ray beams, including better handling of the reported "left-right" hysteresis between narrow-beam and broad-beam detection.
- **Improved handling of irradiation time and air kerma rate** during unstable exposures, such as prolonged settling periods or settling spikes.
- **Support for RTI Scatter Probe** across display devices, using either Ocean Next or the RTI Mako Display App.
- **Improved system stability,** with several reported issues resolved.

Improved Scatter Probe Performance

- **Significant improvements in rate and peak rate measurements** for enhanced performance.
- **Improved internal algorithms** for greater stability and accuracy.
- **Connectivity through Mako**, enabling integration with the Mako ecosystem.
- **Support for multiple Scatter Probes** via Mako and SDK.

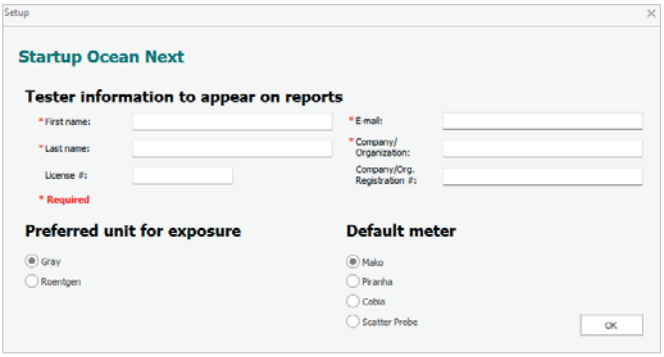
Improved Options and Settings

The Options section in Ocean Next has a refreshed design, making it easier to navigate and quickly find the settings you need.



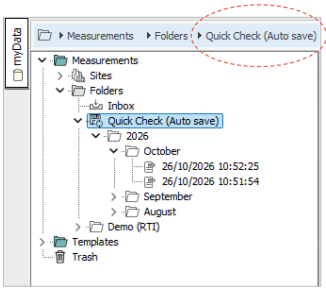
Improved Startup

We've made several improvements to help you get started with Ocean Next faster and more easily.



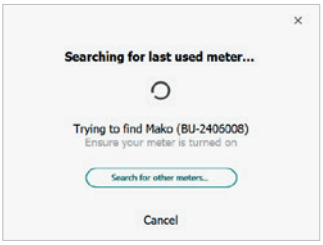
Quick Check Auto Save

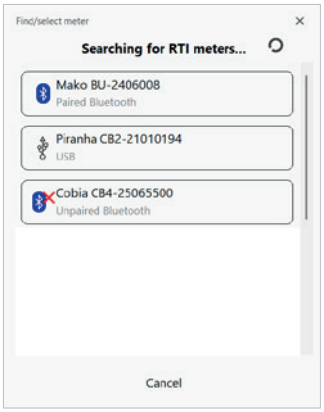
Ocean Next now automatically saves and organizes every Quick Check measurement, making it easy to find and retrieve previous results whenever you need them.



Other updates

Improved search and connection processes for RTI instruments. Both "Searching for last used meter" and "Searching for RTI meters" have been enhanced, with a clearer interface and improved device scanning.





System versions

Ocean Next 5.0 includes updated firmware for the Mako System (1.7.0) and Scatter Probe (1.2.0). No changes for Cobia (v2024.11A) or Piranha (v2021.9A, 4.3A).

When an instrument is connected, Ocean Next automatically detects if a firmware update is needed and guides you through the update process.