PathWave Calibration Advisor

Maintain peak performance

Keysight Instrument Calibration Management

Test instrument calibration is vital to maintain optimal performance and ensure measurements meet specifications just as they did when the instrument was first received. Keysight provides periodic high-quality instrument calibration and recommends KeysightCare Enhanced, which includes calibration to ensure your instruments are always accurate, operate within specifications, and have compliance backed by calibration certificates.

Understandably, it can be difficult to keep track of calibration intervals especially when you have multiple instruments with various calibration due dates. That is why Keysight developed the PathWave Calibration Advisor (PCA), a built-in software application for Keysight's Windows-based instruments. PCA together with KeysightCare Enhanced is the simplest and most efficient way to manage and order calibration services.

PathWave Calibration Advisor benefits:

- Receive calibration reminders
- View calibration status
- Set and manage calibration intervals
- View calibration documents and test reports
- Order Keysight-authorized services
- Refer to built-in online help
- View digital calibration label
- Obtain QR-coded configuration information

Benefits of PathWave Calibration Advisor

With PCA at your fingertips, missed calibration intervals or questionable measurement results due to calibration are a thing of the past. PCA is built-in to your instrument and stores its unique identification and calibration details that can also be easily recalled. From the instrument's front panel, you can access important instrument information like model number, serial number, configuration, current calibration status, and calibration documents, you can order and schedule Keysight services through the Keysight Support Portal, and use the built-in PathWave Calibration Advisor Help. Protect your PCA settings, like the selected calibration interval, calibration due date, and reminders, with PCA's secure passcode. PCA enables easy instrument maintenance with reliable information storage and recall.

This flyer describes how easy it is to take advantage of all the benefits PathWave Calibration Advisor has to offer.

Get started with PathWave Calibration Advisor

To launch PathWave Calibration Advisor or check your instrument's calibration status, locate and select the PathWave Calibration Advisor from your instrument's front panel menu. See the PCA Configuration Guide for a quick view of the PCA application location on your instrument.
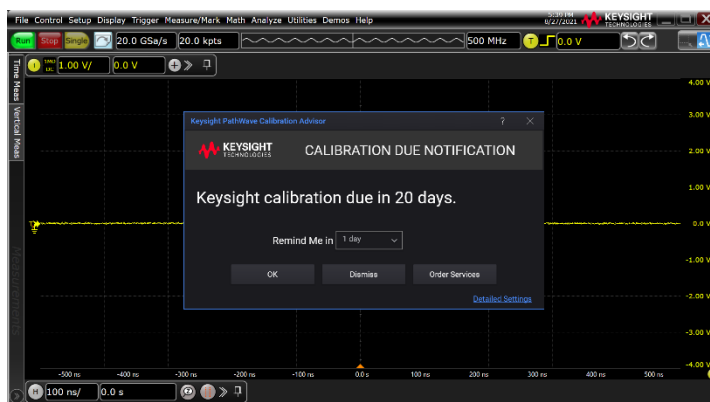
For the oscilloscope example to the right, the Utilities tab is selected from the top menu, and the user can click on PathWave Calibration Advisor. Start using PCA by simply entering your instrument's received date and then, setting reminders for calibration due dates based on your instrument's recommended calibration intervals.

Note: The instrument must be online and connected to Keysight.com to access the latest calibration details.
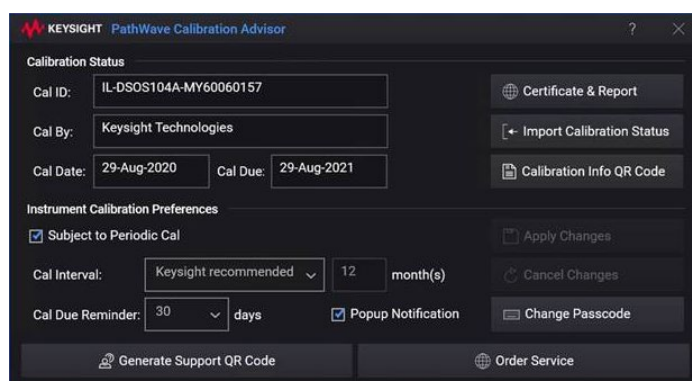
Calibration

PCA helps you maintain your instrument's optimal performance by enabling you to set and manage periodic settings like the calibration interval. You can configure PCA to remind you when a calibration is due with a front-panel pop-up notification.

KEYSIGHT

Access your instrument's latest calibration status and information by viewing the electronic calibration label that includes the last calibration date, next calibration due date, and calibration interval. The calibration label eliminates the need to hunt for your instrument's physical calibration sticker.

Import your instrument's calibration status document from the main PCA screen. Or use PCA to access calibration certificates and test reports with a link to the online Keysight Support Portal.
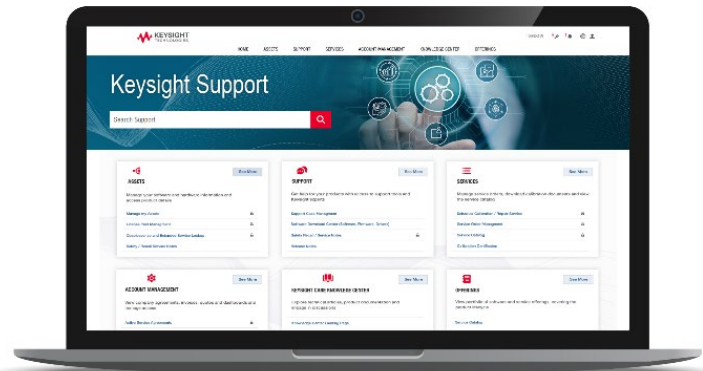
Unique QR Instrument and calibration codes

PCA stores your instrument model number, serial number, configuration including selectable options and more. PCA uses your instrument's stored information to generate an all-in-one Support QR code with the details you need for easy identification, tracking, and a quick way to initiate service requests.

Additionally, PCA provides a calibration QR code with your instrument's unique identification and detailed calibration history.
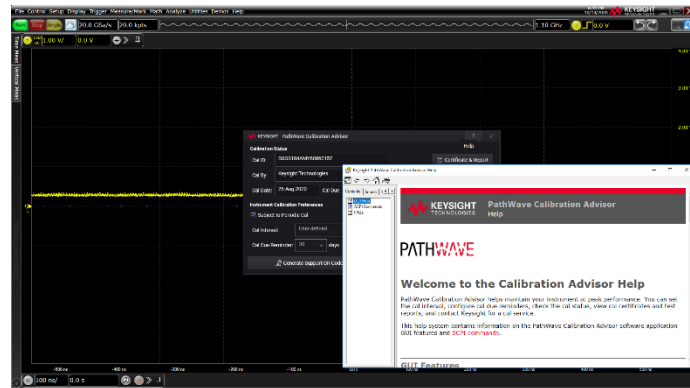
Online calibration scheduling

It's easy to schedule your next instrument calibration online using the Keysight Support Portal. Additionally, with KeysightCare Enhanced, your instrument's calibration of choice is already covered. KeysightCare Enhanced agreements eliminate your need for yearly requests for maintenance budget and tedious paperwork. Use the Support Portal to schedule calibration, view your instrument's calibration history, or download calibration certificates.

Built-in PathWave Calibration Advisor help

The built-in help answers your questions on PCA features, how to access information and manage settings.

Product availability

PathWave Calibration Advisor is being phase implemented and, as of September 2022, is available on the following Windows-based instruments:

- Infiniium real-time oscilloscopes

  - S/V/Z Series

  - 9000 Series

  - 90000 Series

  - 90000 L/Q/X Series

  - UXR/MXR/EXR Series

- Network analyzers

  - PNA Series

  - PNA-L Series

  - PNA-X Series

  - ENA-X Series

- Signal analyzers X-Series

- Noise figure analyzers

- Signal source analyzer: E5055A, E5056A, E5057A, E5058A SSA-X

- Signal source generator: VXG vector signal generators

- Signal generator: MXG signal generator

Conclusion

Keep track of instrument calibration intervals with your instrument's built-in PCA software and make measurements with confidence. PCA enables easy instrument maintenance with reliable information storage and recall and, when combined with KeysightCare Enhanced, provides the simplest and most efficient way to manage and order calibration services.

Experience the Enhanced level of service, including technical support, and committed repair and calibration turnaround times, to help you stay on schedule, accelerate test, ensure precision, and optimize uptime.

KeysightCare Enhanced provides 2-, 3-, and 5-year plans that include a calibration service of choice with a 5-day committed turnaround time and additional benefits of technical support response in 2 business hours, and repair coverage, if needed, with a 7-day instrument repair turnaround time. Our calibration services ensure your test system performs to specification and meets local and global standards.

Get better test results. Simply.