# PathWave Calibration Advisor

Optimize Setup for your Needs

# Keysight Instrument Calibration Management

Test instrument calibration is vital to maintain optimal performance and ensure measurements meet specification just as they did when the instrument was first received. Keysight's PathWave Calibration Advisor (PCA), a built-in software application for Keysight's Windows-based instruments keeps track, and reminds you, of instrument calibration intervals.

This configuration guide helps you locate and start using PCA today.

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#### CONFIGURATION GUIDE

# PATHWAVE



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### Configuring PCA for Calibration Intervals

There are two methods for configuring the PCA calibration interval reminders: by using the instruments front panel, or with SCPI commands.

#### Configure PCA from your instrument's front panel

To launch PathWave Calibration Advisor or check your instrument's calibration status, locate and select the PathWave Calibration Advisor from your instruments front panel menu. The table below provides information for locating the PCA application on your instrument.

#### Calibration

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

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#### **Configure PCA to:**

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

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.

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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 (support.keysight.com).

Calibration S	Status	ave call	ration Advis				
Cal ID: IL-DSOS104A-MY60060157							Certificate & Report
Cal By:	I By: Keysight Technologies						[← Import Calibration Status
Cal Date:	Date: 29-Aug-2020 Cal Due: 29-Aug				-2021		Calibration Info QR Code
Instrument (	Calibration	Preferen	ces				
Subject	to Periodi	ic Cal					
Cal Interval: Keysight recommended 🗸				month(s)			
Cal Due Re	minder:	30	∼ days		🗹 Pop	oup Notification	Change Passcode
	ം മ Gene	rate Sup	port QR Code	-			Order Service

#### Unique QR Instrument and Calibration Codes

PCA stores your instrument model number, serial number, configuration including selectable options and more which makes it easy for PCA to also generate an all-in-one Support QR code that includes the details you need for easy identification, tracking, and a fast pass for service requests.

Additionally, PCA provides a calibration QR code with your instruments unique identification and detailed calibration history.



#### Built-in PathWave Calibration Advisor Help

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



# Easy navigation to PCA on your instrument

The following table describes and demonstrates the PCA location on your instrument.

Instruments	Navigation to PCA
Infiniium Real-Time Oscilloscopes S/V/Z Series EXR/MXR/UXR Series 9000 Series 90000 A/L/Q.X Series See the list of PCA enabled oscilloscope model numbers for more details.	File Control Setup Display Trigger Measure/Mark Math Analyze Utilities Demos Help         Run Stop Single ?? 20.0 GSa/s 2d       Calibration         1 000 1.00 V/ 0.0 V       Self Test         eGUI       Remote         Macro Recorder       LXI LAN         License Manager       PathWave Calibration Advisor >         Data Analytics       Multipurpose         Customize Multipurpose       Front Panel Sources         User Preferences       User Preferences
PNAPNA-LPNA-XN5221BN5230BN5241BN5222BN5231BN5242BN5224BN5232BN5244BN5264BN5234BN5247BN5247BN5235BN5225BN5227B	System       Main         Update       Main         System       System         Verification       Print         Adjustment       Help         Diagnostics       Service         Option Enable       Special         VNA Cal       Status

Signal Analyzers X-Series N9000A/B, N9010A/B, N9020A/B N9021B, N9030A/B, N9038A/B N9040/41/42B, N9048B SPN9003A, SPN9026A	System Settings System VO Config User Interface Power On Restore Defaults	Diagnostics Show Hardware Statistics Pathwave Calibration Advisor View and edit Keysight calibration reminders and notifications
Noise Figure Analyzers N8973/74/75/76B	Alignments Licensing Security Diagnostics Service SCPI Recorder Debug	

#### Configure PCA using SCPI commands

Standard Commands for Programmable Instruments (SCPI) commands can be used to access and control PCA as an alternative to controlling from the instrument's front panel. The PCA's SCPI commands are most convenient when controlling the instrument remotely. The following SCPI commands enable you to programmatically interact with PCA to set calibration intervals, notifications, or to change your passcode.

#### SYSTem: SERVice:MANagement:CALibration:

INFormation					
INTerval:					
DEFault					
VALue					
ТҮРЕ					
NOTification:					
ENABle					
PASScode:					
CHANge					
(VALue)					
PERiodic:					
ENABle					
REMinder					

# PCA Enabled Oscilloscope Model Numbers

Infiniium Real-Time Oscilloscope Series	Model numbers
S	DSOS054A, MSOS054A, DSOS104A, MSOS104A, DSOS204A, MSOS204A, DSOS254A, MSOS254A, DSOS404A, MSOS404A, DSOS604A, MSOS604A, DSOS804A, MSOS804A
V	DSAV084A, DSOV084A, MSOV084A, DSAV134A, DSOV134A, MSOV134A, DSAV164A, DSOV164A, MSOV164A, DSAV204A, DSOV204A, MSOV204A, DSAV254A, DSOV254A, MSOV254A, DSAV334A, DSOV334A, MSOV334A
Z	DSAZ204A, DSOZ204A, DSAZ254A, DSOZ254A, DSAZ334A, DSOZ334A, DSAZ504A, DSOZ504A, DSAZ592A, DSOZ592A, DSAZ594A, DSOZ594A, DSAZ632A, DSOZ632A, DSAZ634A, DSOZ634A
EXR	EXR104A, EXR254A, EXR108A, EXR258A, EXR054A, EXR204A, EXR058A, EXR208A
MXR	MXR054A, MXR058A, MXR104A, MXR108A, MXR204A, MXR208A, MXR254A, MXR258A, MXR404A, MXR408A, MXR604A, MXR608A
UXR	UXR0051AP, UXR0134A, UXR0164A, UXR0204A, UXR0252AP, UXR0254A, UXR0254AP, UXR0334A, UXR0402A, UXR0402AP, UXR0404A, UXR0404AP, UXR0502A, UXR0504A, UXR0592AP, UXR0594A, UXR0594AP, UXR0702AP, UXR0704AP,
9xxx	DSO9024H, DSO9054H, DSO9064A, MSO9064A, DSO9104A, DSO9104AN, DSO9104A, DSO9104A, DSO9104A, DSO9204H, DSO9254A, MSO9254A, DSO9404A, MSO9404A
9xxxx	DSA90254A, DSO90254A, DSA90404A, DSO90404A, DSA90604A, DSO90604A, DSA90804A, DSO90804A, DSA91204A, DSO91204A, DSA91304A, DSO91304A
93xxxL	DSA93004L, DSO93004L
X9xxxxQ	DSAX92004Q, DSOX92004Q, DSAX92504Q, DSOX92504Q, DSAX93304Q, DSOX93304Q, DSAX95004Q, DSOX95004Q, DSAX96204Q, DSOX96204Q
Х9ххххА	DSAX91304A, DSOX91304A, MSOX91304A, DSAX91604A, DSOX91604A, MSOX91604A, DSAX92004A, DSOX92004A, MSOX92004A, DSAX92504A, DSOX92504A, MSOX92504A, DSAX92804A, DSOX92804A, MSOX92804A, DSAX93204A, DSOX93204A, MSOX93204A

## **Product Availability**

The PathWave Calibration Advisor will be updated as more products are PCA enabled.

#### Conclusion

Start using PCA today to ensure current calibration with easy configurable reminders.

For questions on PathWave Calibration Advisor, you can contact Keysight's Technical support team and click on "Visit Keysight Product Support".

### Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

