

The Calibration Game

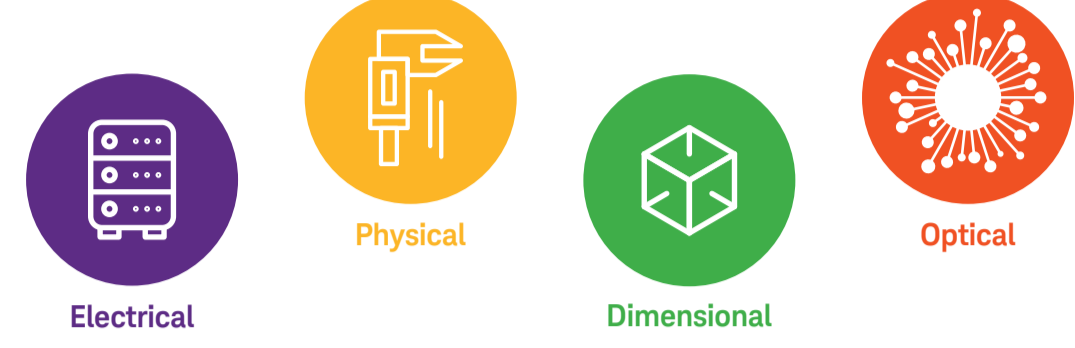
A One-Stop Keysight Service

Follow the path to complete accuracy, traceability and compliance with Keysight's One-Stop Calibration Services. Ensure the ongoing precision and availability of all of your electrical, physical, dimensional and optical test assets.



Want to learn more? www.keysight.com/find/GetBetterResults

What are you going to calibrate today?
Choose your game piece.



START

It's time to get an accurate calibration for your instruments. Let's go!

TEST EVERY PARAMETER

You count on your instruments to work the way they're supposed to, so all parameters on your Keysight equipment are tested. You can rely on this same measurement expertise when your non-Keysight equipment is calibrated.

Product Failure
You didn't test power level accuracy, which resulted in a weaker signal and shorter range for your product. Go back to start.

KNOW YOUR MEASUREMENT ACCURACY

There are no perfect measurements, but Keysight's low measurement uncertainties (MU) give you greater confidence in the test accuracy.

MEASUREMENT ACCURACY

Out of spec risk

Measurement +/- MU

Upper Spec

Nominal

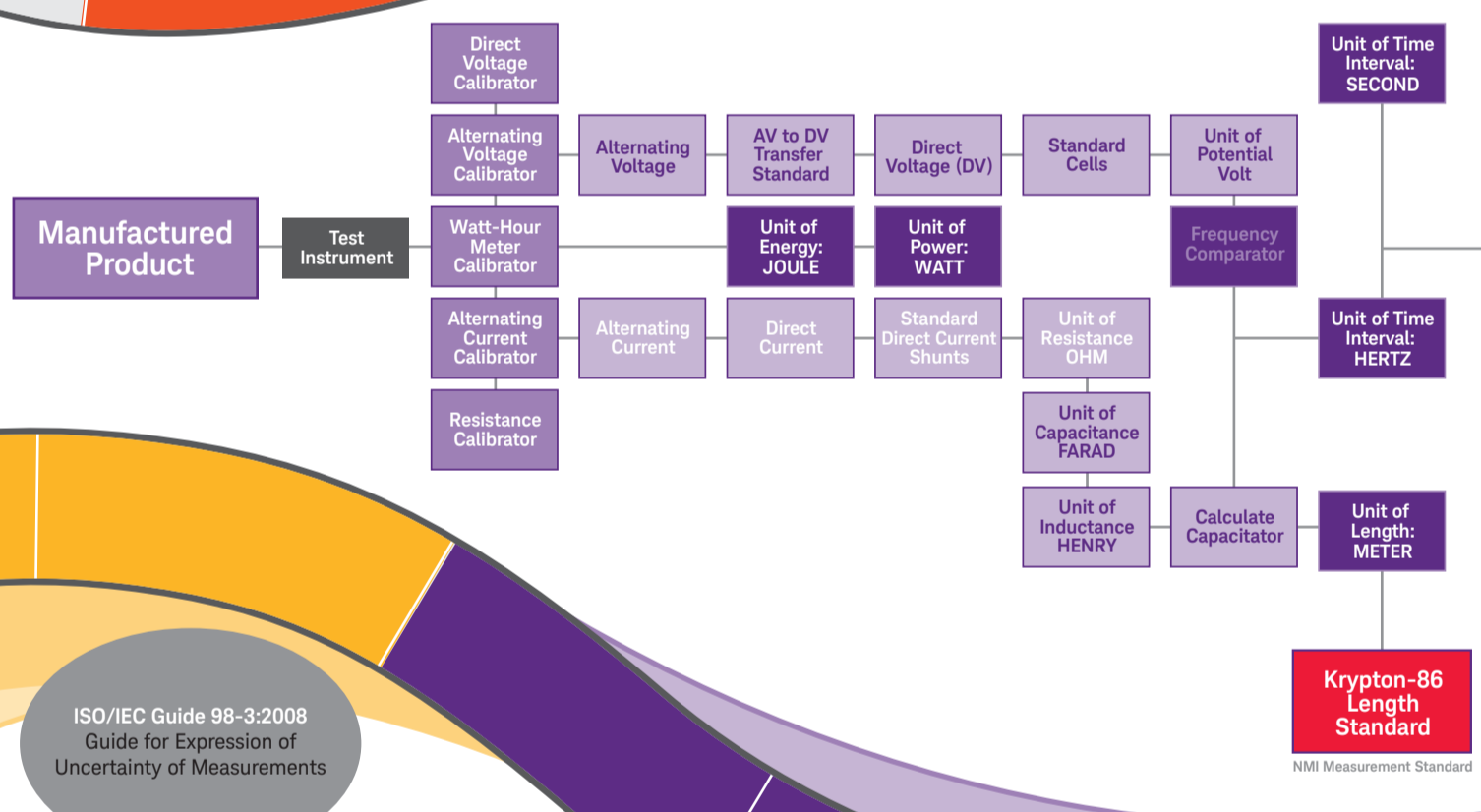
Lower Spec

SHOW TRACEABILITY

Your test follows a chain of evidence, showing traceability from your test equipment to the International System (SI) of units via National Metrology Institutes (NMI).

TRACEABILITY

Product Recall
A large MU means your "passing" product may not meet performance limits. Go back (3) spaces.



Productivity Loss
You didn't measure to a common standard, and your international teams are getting different readings. Go back (4) spaces.



COMPLY WITH STANDARDS

Your Keysight calibration lab complies with international and national metrology standards.

Audit Failure
Your calibration lab wasn't in compliance with ISO 17025 and now you're scrambling to resolve audit findings. Go back (3) spaces.



ILAC-G8:05/2008 Guidelines on Assessment and Reporting of Compliance with Specification

ISO/IEC Guide 98-3:2008 Guide for Expression of Uncertainty of Measurements

ILAC-P14-01/2013 Policy for Uncertainty in Calibration

ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories

ANSI/NCSL Z540-1-1994 Rescinded 2007, but still in regular use for existing Aero/defense work

ANSI/NCSL Z540.3-2006 Requirements for the calibration of Measuring and Test Equipment

ISO 9001:2015 Quality management systems - requirements



COMPLIANCE

Keysight

Scope of Accreditation

	DC Voltage	AC Voltage	DC Current	AC Current	Digital Modulation	RF Absolute Power	Thermal Noise Figure	Reflection S ₁₁ /S ₂₂
Keysight	✓	✓	✓	✓	✓	✓	✓	✓
Third Party Lab	✓	✓	✓	✓	✗	✗	✗	✗

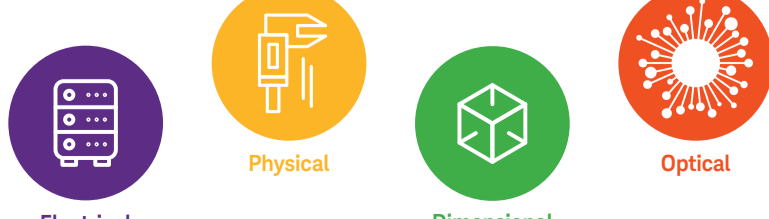
Reduced Market Share
Your calibration lab wasn't accredited for RF Absolute Power, and even though your product passed final test, it is experiencing customer failures. Go back (4) spaces.



USE AN ACCREDITED LAB

You use an accredited Keysight lab and are able to successfully test the full scope of your equipment.

ACCREDITATION



Congratulations!

You've produced a high quality product!