

YOU'RE IN GREAT HANDS

Calibration
you can trust

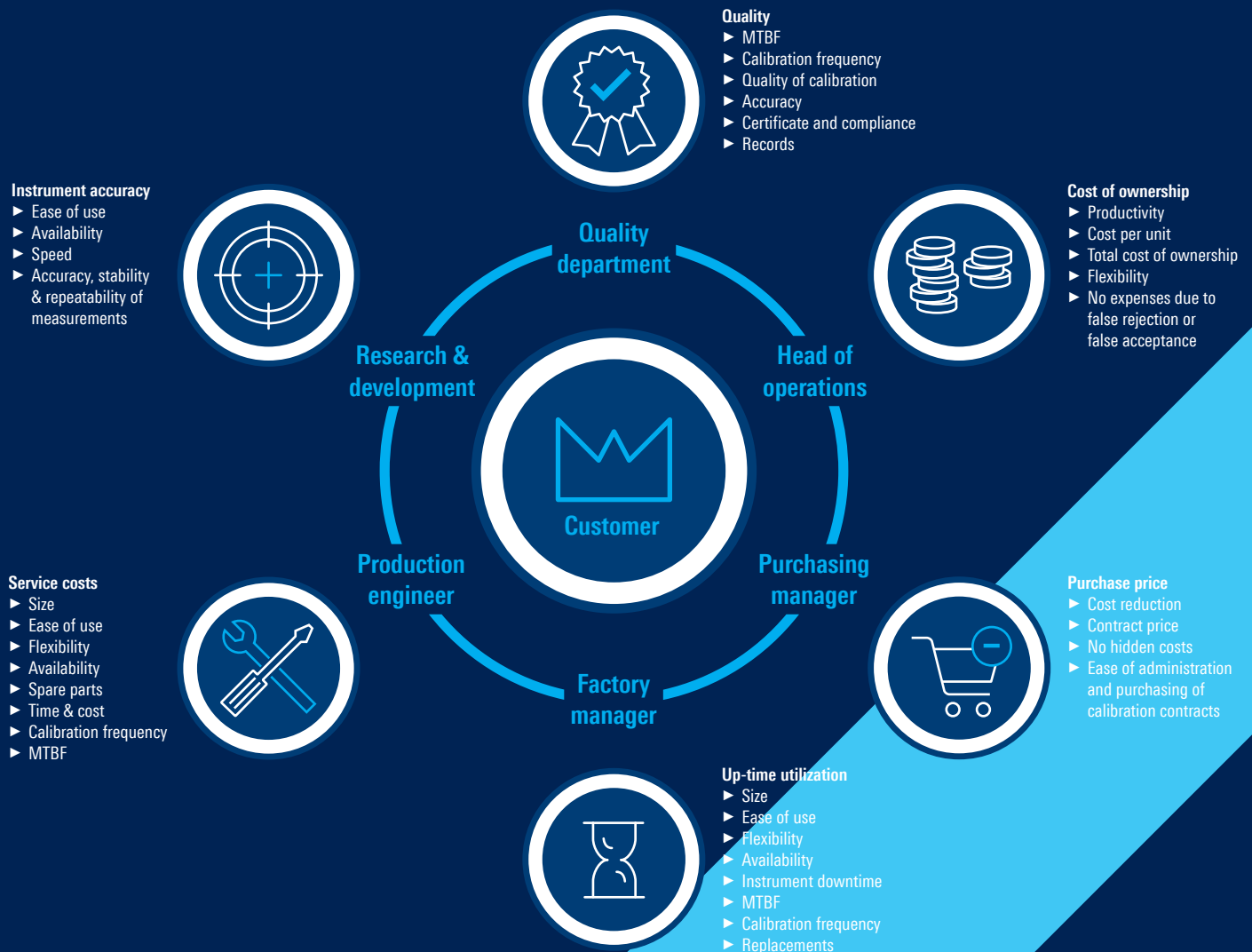


ROHDE & SCHWARZ

Make ideas real



CHALLENGES AND COMPLEXITY DEMAND ORIGINAL EQUIPMENT MANUFACTURER CALIBRATION



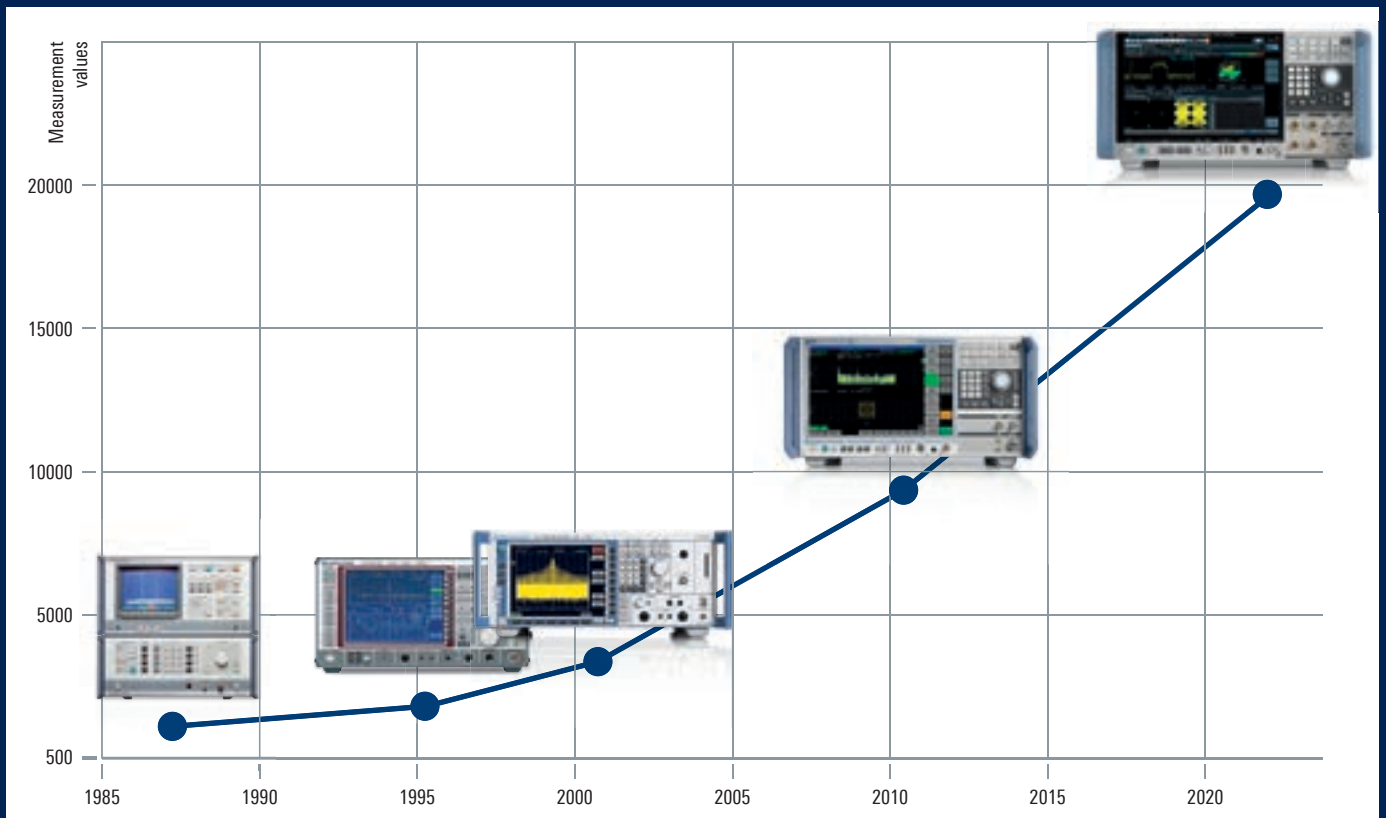
OEM = Original Equipment Manufacturer
 MTBF = Mean Time Between Failure
 ISO = International Organization for Standardization



Complexity

Instrument performance has steadily improved, but with better performance comes greater complexity. On average, the number of measurement values requiring testing has doubled every ten years. Margins of error are narrower than ever, and precise, high-quality measurements are a top priority. High-end calibration equipment in combination with automated procedures is a must for efficient, comprehensive and high-quality calibration.

Rohde & Schwarz spectrum analyzer history



ROHDE & SCHWARZ CALIBRATION VS. THIRD-PARTY CALIBRATION



Two factors determine the quality of a calibration service:

- ▶ Compliance with relevant standards
- ▶ Coverage of technical parameters

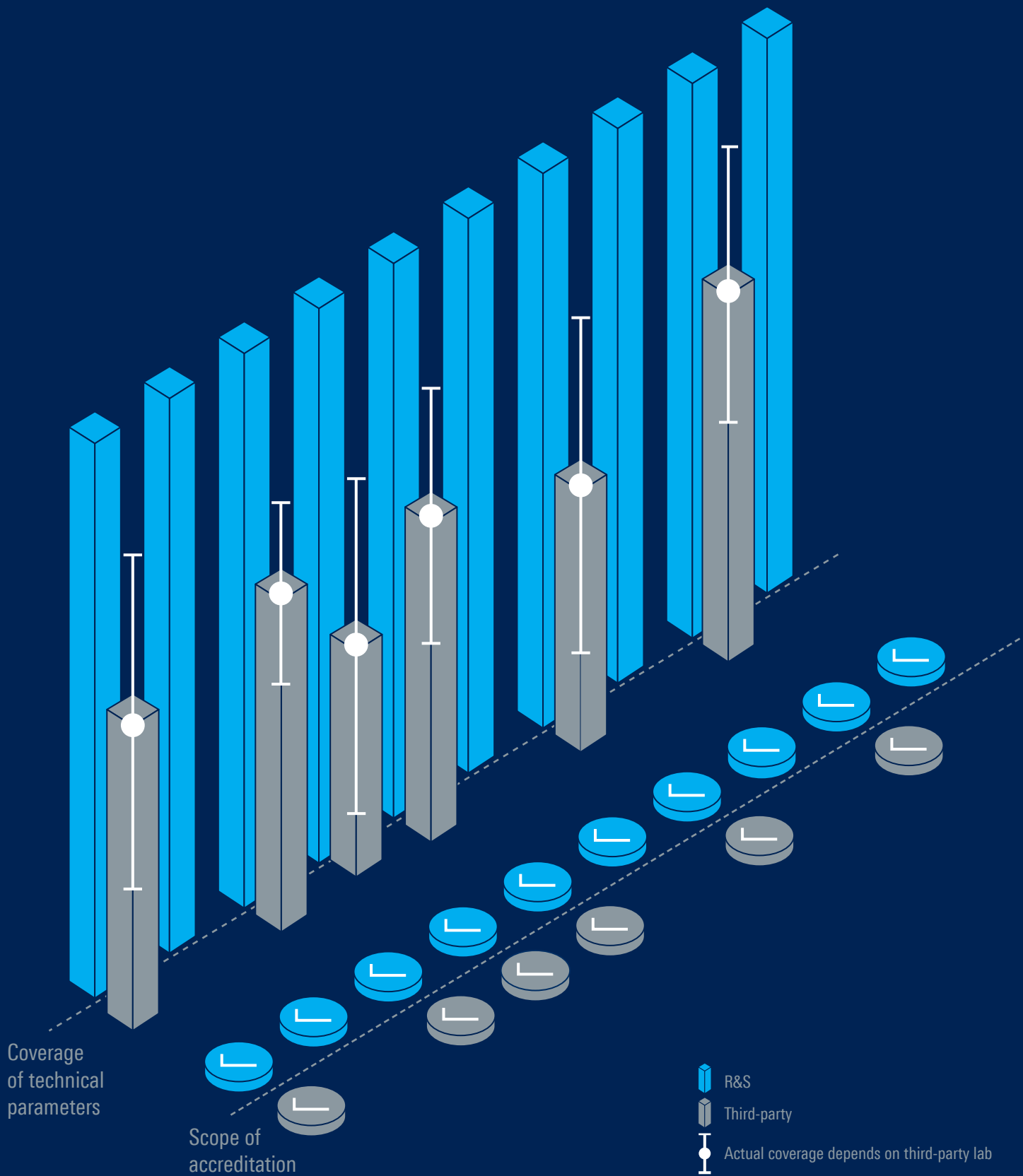
A Rohde&Schwarz instrument has the technical capabilities and parameters to meet your needs. So, the calibration process has to cover all the technical parameters over the full performance range specified in the data sheet.

A review of calibration reports from third-party providers reveals that they do not always test all the relevant parameters.

This can lead to serious, unpredictable gaps in instrument performance.

Accredited calibrations require the scope of accreditation to cover every parameter.



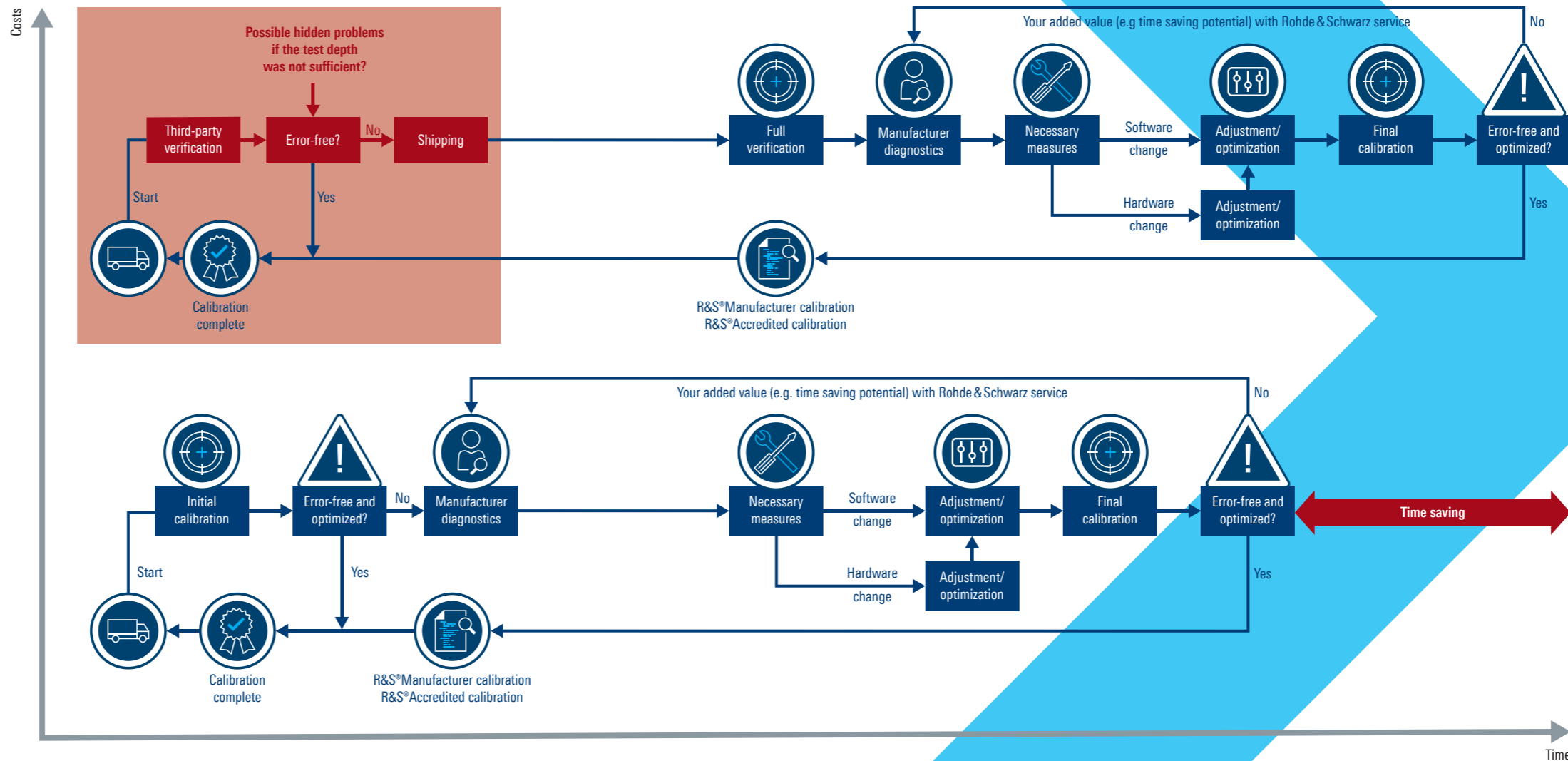


Check out the full infographic

THE OPTIMAL CALIBRATION PROCESS

Third-party calibration process
 The red background represents potential calibration steps performed by third-party providers with no specialized access to OEM tools. Shipping to the manufacturer increases instrument downtime and associated costs.

Rohde & Schwarz OEM calibration process
 The OEM process ensures that the instrument performs as specified. It is also simpler, faster, cheaper and more accurate.



ENSURE YOUR INVESTMENT PAYS OFF...

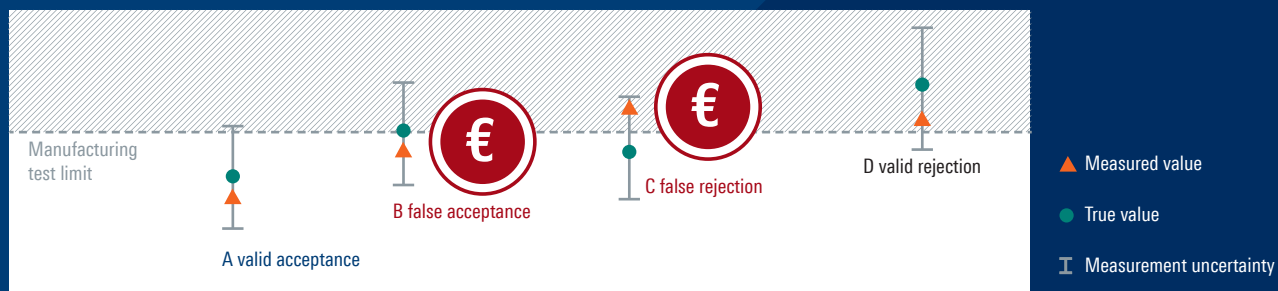


There are many good reasons to buy Rohde & Schwarz test and measurement instruments:

- ▶ You need specific applications or solutions
- ▶ You want to comply with a specific standard
- ▶ You expect leading-edge measurement performance

Why Rohde & Schwarz calibration services:

- ▶ To ensure maximum performance and accuracy of your instrument
- ▶ To improve calibration efficiency (reduced downtime and streamlined administrative processes) and secure your investment
- ▶ To avoid hidden costs and added work



...WITH GUARANTEED PRECISION AND AUTOMATIC ADJUSTMENT

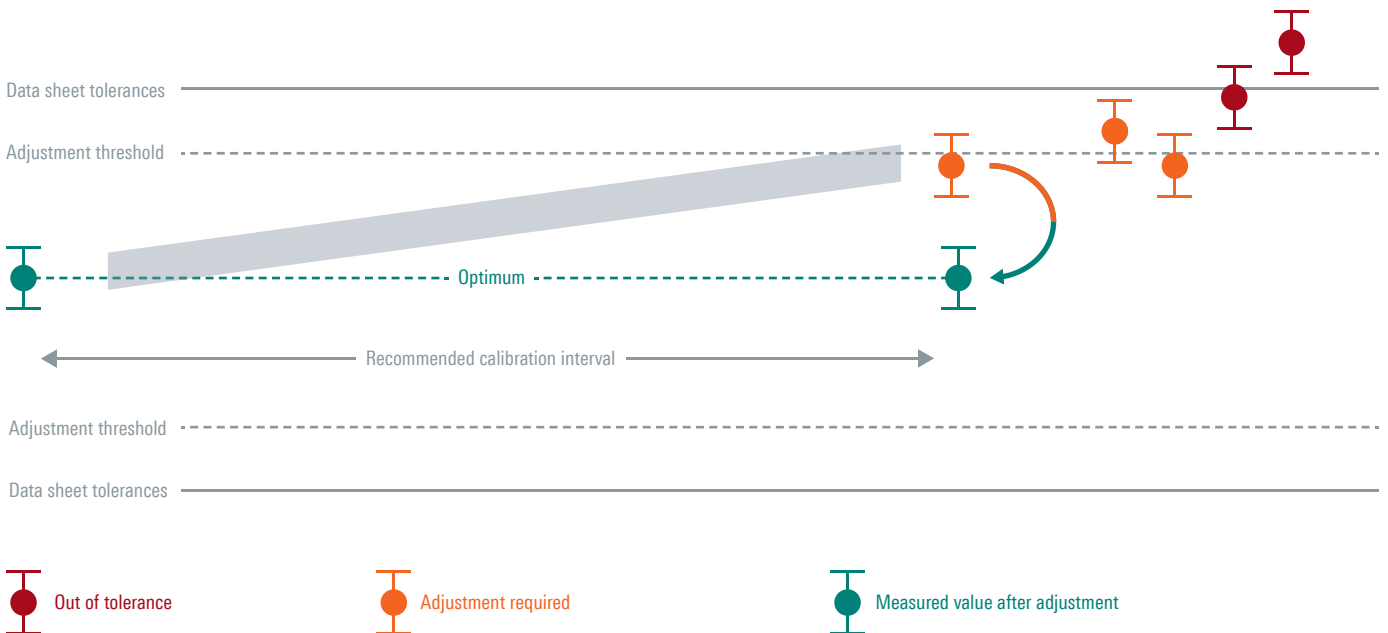


Our ISO-compliant calibration helps minimize:

- ▶ Measurement errors
- ▶ Scrap rates and rework in production
- ▶ Development times

Protect your investment

In the Rohde & Schwarz manufacturer calibration process, your instruments are checked for deviations and automatically adjusted to optimize performance. We make adjustments when values fall outside the tolerance range and even optimize deviating values when they are in the acceptable tolerance range.



Case	Measured value	True value	Research & development	Production
A	pass	pass	no action	no action
B	pass	fail	troubleshooting & further costs	recalls, warranty and liability costs
C	fail	pass	troubleshooting	decreased productivity yield (reworked and discarded)
D	fail	fail	no action	no action

ON-SITE CALIBRATION TO MINIMIZE DOWNTIME



Service solution tailored to your specific needs

Maximum availability,
minimum downtime

Professional calibration
and **maintenance** to keep
your valuable investment
in the best shape

Accredited calibrations,
manufacturer and
performance calibrations

Flexibility to fulfill your individual requirements

No transportation
risks or costs

Precise and **traceable**
measurements

Highly qualified staff
to support you with all
technical issues

Service at Rohde & Schwarz You're in great hands

- ▶ Worldwide
- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

Rohde & Schwarz

The Rohde & Schwarz technology group is among the trailblazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks & cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

www.rohde-schwarz.com

Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management

ISO 9001

Certified Environmental Management

ISO 14001

Rohde & Schwarz training

www.training.rohde-schwarz.com

Rohde & Schwarz customer support

www.rohde-schwarz.com/support



R&S® is a registered trademark of Rohde & Schwarz GmbH & Co. KG

Trade names are trademarks of the owners

PD 3683.8180.62 | Version 01.02 | January 2023 (nk)

You're in great hands

Data without tolerance limits is not binding | Subject to change

© 2023 Rohde & Schwarz GmbH & Co. KG | 81671 Munich, Germany

