



## QUALITY ASSURANCE FOR HANDHELDS

The standard-compliant and traceable test for  
your vibration analysis and field balancing  
device



TESTING LABORATORY FOR  
BALANCING TECHNOLOGY

RP1143-2 EN

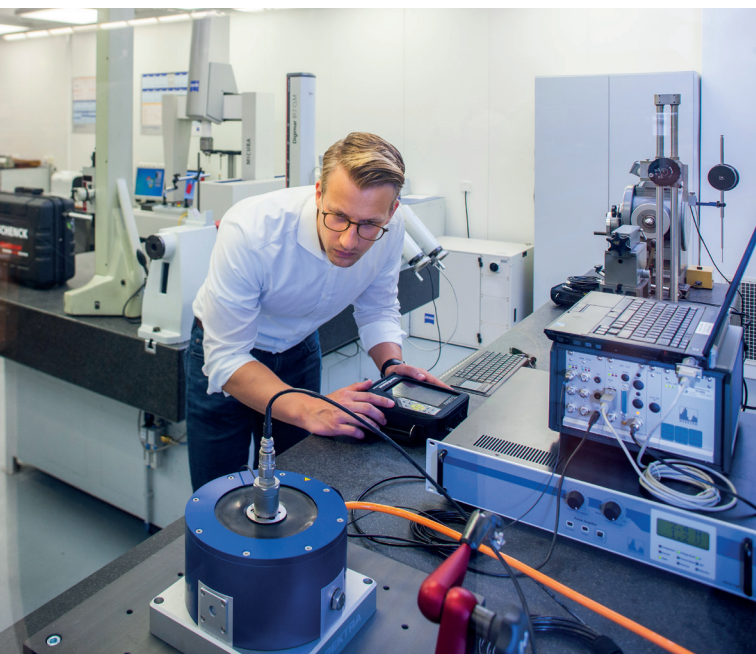
*Passion for Balancing*

# Assuring correct measurements

The SmartBalancer or our SmartVibroAnalyzer provides extensive possibilities for field balancing and vibration analysis and is a reliable companion – even in rough environments. Nevertheless, they are high-precision measuring instruments whose measurement results are used for direct machine evaluation.

In order to ensure that the recorded data is reliable and verifiable, it is important to have the measuring system of your SmartBalancers or SmartVibroAnalyzers calibrated periodically and traceable. Complying with standards, this becomes a necessity to comply with standards such as DIN EN ISO 9001.

Protect your product quality and competitiveness with an examination and prevent errors that shorten the service life time of your machines.





## INDIVIDUAL PERFORMANCE LEVELS FOR EVERY REQUIREMENT

The test laboratory for balancing technology (PFA) of Schenck RoTec offers a standard compliant and traceable test for handhelds from Schenck. You can choose from a variety of optionals which we adapt to your individual requirements. You will receive a standard-based, audit-proof documentation that meets the requirements of your quality management system

## OUR RANGE OF SERVICES

The test in the frequency range from 5 Hz to 1000 Hz complies with the frequency range of DIN ISO 10816. The frequency range can be further extended from 2 Hz to 5 kHz for slow and fast running machines respectively.

Test Levels	Frequency range
<b>Test Level A</b> Test of the SmartBalancer measuring system in the frequency range of the DIN ISO 10816 standard	5 Hz bis 1 kHz
<b>Extended Test</b> for <b>slow running</b> machines	2 Hz bis 5 Hz
<b>Extended test</b> for <b>fast running</b> machines	1 kHz bis 5 kHz



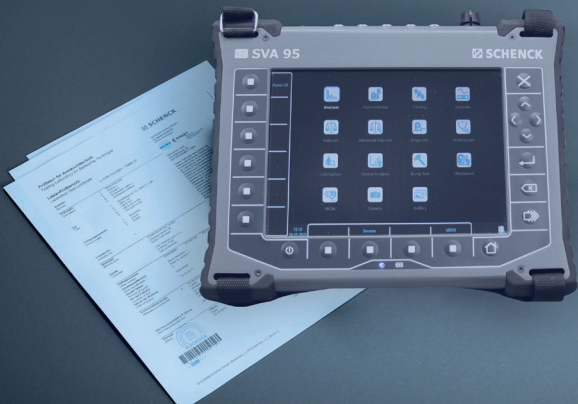
## EXCERPT FROM THE STANDARD – DIN EN ISO 9001

According to a demand of ISO 9001 (section 7.1.5.2), a high-precision measuring instrument such as the SmartBalancer or the SmartVibroAnalyzer must »When measurement traceability is required [...]« or when valid measurement results are an essential part of the process, these must be »[...] calibrated or verified, or both, at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards; [...]«.

Only portable devices tested in this way provide verifiable measurement results which confirm their product quality and competitiveness.

This implies and is another requirement of ISO 9001 (section 7.1.5.1), that an organization conforming to standards »[...] shall determine and provide the resources needed to ensure valid and reliable results when monitoring or measuring is used to verify the conformity of products and serves to requirements.«

Our experts will gladly develop an individual service package for you that is tailored to meet your demand.





# SCHENCK

SCHENCK RoTec GmbH  
Landwehrstraße 55  
64293 Darmstadt, Germany  
Tel. +49 6151 32-2311  
Fax +49 6151 32-2315  
rotec@schenck.net  
www.schenck-rotec.com

**DÜRR** GROUP.