

SIGMASCOPE® SMP350

Perfect fit: Different measuring frequencies for different penetration depths and measuring tasks

Always in view: Clear management of measurement tasks through user-definable file and folder structure

Predestined for the aerospace industry: Meets Boeing specification BAC 5651 with matching probe

Easy to use: Operation via high-contrast touch-screen with intuitive user interface





Conductivity aluminum raw material

The electrical conductivity measuring expert

With the SIGMASCOPE® SMP350 you can quickly and accurately determine the electrical conductivity of all non-magnetizable metals such as aluminum, copper and austenitic steels.

The conductivity determined allows conclusions to be drawn about the composition, microstructure or mechanical properties of materials. This results in an extremely wide range of measurement tasks and applications, for example in the quality assurance of raw materials, the evaluation of hardness and strength of heat-treated materials or the control of heat damage, material fatigue and cracks.

The measurement is based on the phase-sensitive eddy current method. This type of signal evaluation enables non-contact measurement, even under paint or plastic coatings up to 500 µm thick.



Decorative anodized layers



Quality assurance in the aviation

Features

- Compact handheld instrument for measuring the electrical conductivity of non-ferrous metals
- Test method: Phase-sensitive eddy current method
- Measured value memory: For a large number of measurements
- Measurement range: 0.3-63 MS/m or 0.5-108 % IACS
- Individual consideration of the temperature coefficient valid for each material
- Easy data transfer via USB interface
- Limit monitoring via sound
- Probes available for a wide range of applications, with and without integrated temperature sensor
- Additional external temperature sensor optional available