Increasing Safety with ISO Accreditations

ISO/IEC 17025: For Calibration Laboratories

Various quality assurance accreditations exist for calibrations and testing laboratories, ensuring the accuracy and reliability of the products. The International Organization for Standarization (ISO) offers a wide array of standards covering various aspects of industries and processes. It establishes a universal benchmark for quality, safety, and performance across industries.

One prominent conformity standard relevant to Road Safety and Metal Hardnes Testing is ISO/IEC 17025, which focuses on the competence of testing and calibration laboratories. The accreditation to ISO/IEC 17025 standard is a formal recognition of the technical and organizational competence of a laboratory or company to execute tests or calibrations. The ISO/IEC 17025 accreditation awards an independent third party assurance that all processes, staff and methods are correct.



Is ISO/IEC 17025 accreditation mandatory?

While obtaining ISO/IEC 17025 accreditation is not mandatory, it signifies a deliberate commitment to upholding standards and ensuring safety in Road Safety and Metal Hardness Testing. Choosing to pursue this accreditation demonstrates a dedication to excellence and a proactive approach to ensure the highest levels of safety and reliability in our testing processes.

This accreditation, specifically tailored for testing and calibration laboratories, is yet another testament to Proceq's commitment to precision and accuracy in Road Safety and Metal Hardness technology. Our achievement of this accreditation distinguishes us as leaders in quality and safety within the industry, setting us apart from competitors.

How ISO/IEC 17025 can help ensure safety on the road

Proceq, one of our key brands, achieved a significant milestone by being ISO/IEC 17025 accredited calibration in 2023. The accredited products are Zehntner Road Marking (ZRM) and Sign (ZRS) retroreflectometers, which offer a range of products tailored for testing the visibility of road markings, traffic signs, and airport markings. These products, including intelligent mapping software, provide full traceability and enable real-time data sharing, empowering road safety professionals with the tools needed to make informed decisions.

As the sole ISO/IEC 17025 accredited manufacturer for retroreflectometer calibration, Proceq reinforces the company's dedication to ensure the accuracy and reliability of road marking reflectometers, road signs testing equipment, and other tools used for evaluating road reflectivity, day and night visibility, and signs visibility.



Benefits of Proceq ISO/IEC 17025 accredited road safety products

Having this accreditation for road reflectometer equipment brings forth plenty of advantages. These benefits encompass a range of critical aspects, including reliability, calibration accuracy, cost and resources saving. Through adherence to stringent standards and rigorous testing protocols, accredited products assure users of their accuracy, consistency, and suitability for assessing road marking reflectivity, signs visibility, and other essential parameters.

Benefits of having this accreditation for road safety equipment are the following:

- Reliable and trustworthy calibration: all of the key components contributing to the calibration service are checked, validated and accredited by an independent third party international standard.

-Cost & resource saving: it eliminates the need for third party services (accredited calibration center).

International recognition of ISO/IEC 17025 accredited calibration

ISO/IEC17025 accreditation serves as a global benchmark and guarantees international validity of the equipment results going forward. It is the best-in-class assurance given to laboratories.

Proceq has earned accreditation from the Swiss Accreditation Service (SAS) because they adhere to the ISO/IEC 17025 standard for testing and calibration. This accreditation is significant because the Swiss Accreditation Service is part of larger agreements like the EA Multilateral Agreement and ILAC MRA (Mutual Recognition Arrangement). These agreements ensure that testing and calibration done by Proceq, is recognized internationally. Below are some examples of equivalent accreditation bodies per countries:

ISO/IEC 17025 equivalent calibration accreditation bodies		
Country	**Name**	**Scope**
United Kingdom	UKAS	*United Kingdom Accreditation Service*
Switzerland	SAS	*Swiss Accreditation Service*
Canada	SCC	*Standards Council of Canada*
Greece	ESYD	*Hellenic Accreditation System - ESYD*
India	FDAS	*Federation for Development of Accreditation Services*
	NABL	*National Accreditation Board for Testing & Calibration Laboratories*
Indonesia	KAN	*National Accreditation Body of Indonesia*
Saudi Arabia	SAAC	*Saudi Accreditation Center*
Singapore	SAC	*Singapore Accreditation Council*
South Africa	SANAS	*South African National Accreditation System*

By achieving more trustworthy calibration and obtaining equipment from an accredited laboratory, which eliminates the need for 3rd party services, users are therefore saving costs and resources. It plays a crucial role in ensuring consistency, reliability, and safety across different sectors, ultimately contributing to the well-being of society as a whole. It guarantees that the equipment used for road marking and sign visibility testing meets stringent requirements, ultimately contributing to safer road environments for drivers, pedestrians, and cyclists alike.

As a result, Proceq's products not only contribute to safer roads but also offer a cost-effective solution for maintaining optimal visibility and safety standards.

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