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We care about safety.

Testing and certification of smoke detectors. To make sure everything stays cool.

Long-living batteries, simple installation, a minimal risk of false alarms, and operational safety are product features of a smoke detector that are valued by consumers. These are also the properties we test as part of our test program and that serve as a guide for the consumer.

The Mark Shows the Difference.

Due to laws in almost all German federal states that require the installation of smoke detectors, tenants, landlords and home owners are installing smoke detectors in apartments and residential buildings. There is a wide range of smoke detectors available from special retailers and hardware stores. Showing transparency will make it easier for the consumer to select a smoke detector. With the individual TÜV Rheinland test marks, you document the quality of your product and can make product features, such as the longevity of the battery, visible to the consumer. Set yourself apart from the competition by having your quality statement validated by an independent testing service provider.

Tested Quality.

Upon successful testing and certification, you will receive a certificate and the right to use the test mark. At the same time, your product will be entered into Certipedia, our certificate database. Now, you can show at a glance what differentiates your certified products from those of your competitors.

A Variety of One-Stop Services

In collaboration with the KRIWAN test center, we offer a comprehensive test program to manufacturers and distributors of smoke detectors with replaceable batteries. The focus of the test program is quality, safety and durability of your product.

Certification of smoke detectors can be achieved with two different test programs and is performed according to the TÜV Rheinland standards 2544 (Level I) and Q2428 (Level II).

Level I - Safety and Product Monitoring

Level II - Quality

Your test mark could look like this.

Everything at a glance – our nationally and internationally recognized test mark says more than 1,000 words.



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 **TÜVRheinland®**
LGAI
Precisely Right.

Fired up at the right moment.

Our experts are here to test for you:

Level I – Safety and Product Monitoring

- Test of the operational safety of the smoke detector (Test of plausibility with verification tests of the reliability of performance by a notified product certification body).
- Regular monitoring of the operational safety parameters based on random test samples (every six months).
- Testing the battery capacity for 1 year minimum.
- Auditing of the manufacturing facility.
- Periodic inspection of the manufacturing facility (every 12 months).

Level II - Quality

Level II certification of a smoke detector is based on the Level I test program, but is expanded by additional requirements with regards to quality and durability.

Specifically, this means:

- Testing the battery life for five or ten years minimum
- Testing specific performance characteristics, such as straightforward installation, easy maintenance
- Testing the mounting system for an adequate life span
- Testing the drift compensation. In this case, the smoke detector readjusts for contamination by e.g. dust
- Test of sturdiness by performing a tougher drop test
- Optional: Test, whether the smoke detector is suitable for recreational vehicles



With us you are always up to date.

Get information about new developments, changes and trends related to product testing and product certification with our periodic conferences and our online newsletter.

Visit us on the Internet at: www.tuv.com

Greater transparency with Certipedia.

Certipedia is the online certificate database that makes tested quality visible: at a glance, with one click. With an entry in Certipedia you show at a glance what sets your certified products apart from the products of your competitors.

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