GUMsim is a sophisticated statistical tool for the determination of measurement uncertainty which offers:

- A very simple user interface
- Application of the Monte-Carlo-Method according to the current standard (ISO GUM-S1) for legally admissible results
- Many predefined models
- Comprehensive documentation of your analysis of measurement uncertainty

Comprehensive customer services

- During the three months following the purchase of a license, GUMsim updates and new QuoData certified models are available for free
- Introductory seminars and workshops dealing with special topics are regularly offered
- Technical support via email or telephone hotline is available during working hours and is free of charge the first three months
- We work with you to develop tailor-made analytical methods for the determination of measurement uncertainty which meet your individual requirements

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Software and statistical methods for analytical quality assurance
QuoData GmbH develops innovative software and provides comprehensive services in the areas of quality assurance, process optimization, the development and validation of measurement methods, and experimental/sampling design.

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Every test laboratory accredited according to DIN EN ISO/IEC 17025 must have at its disposal procedures for the estimation of measurement uncertainty. In particular, when measurements lie near a prescribed limit, it is essential for the results’ legal admissibility that a well-documented and statistically reliable method is available for the determination of measurement uncertainty in accordance with current standards.

This is why GUMsim was developed. GUMsim is a trim software application with which measurement uncertainty can be determined and documented with a few mouse-clicks.

GUMsim offers an array of pre-defined models for various types of problems, e.g. such as are described in ISO-GUM, ISO-GUM-S1 and EURACHEM CITAC. These models are very simple to use. You select the desired one in GUMsim, enter parameter values as necessary, and the report is generated in a matter of seconds. The models are comfortably altered and implemented via a powerful formula editor, and measurement data can be entered via copy & paste.

QuoData experts are directly involved in the elaboration and revision of the relevant standards (e.g. ISO/DTR 13587:2011). You can thus rest assured that the methods and algorithms implemented in our software are up-to-date with the latest developments. The analysis of measurement uncertainty is documented by compelling charts and a professional WORD report.

GUMsim has been fully validated.

Sounds interesting? Learn more about GUMsim.

Find out more!
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