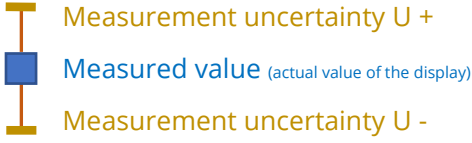
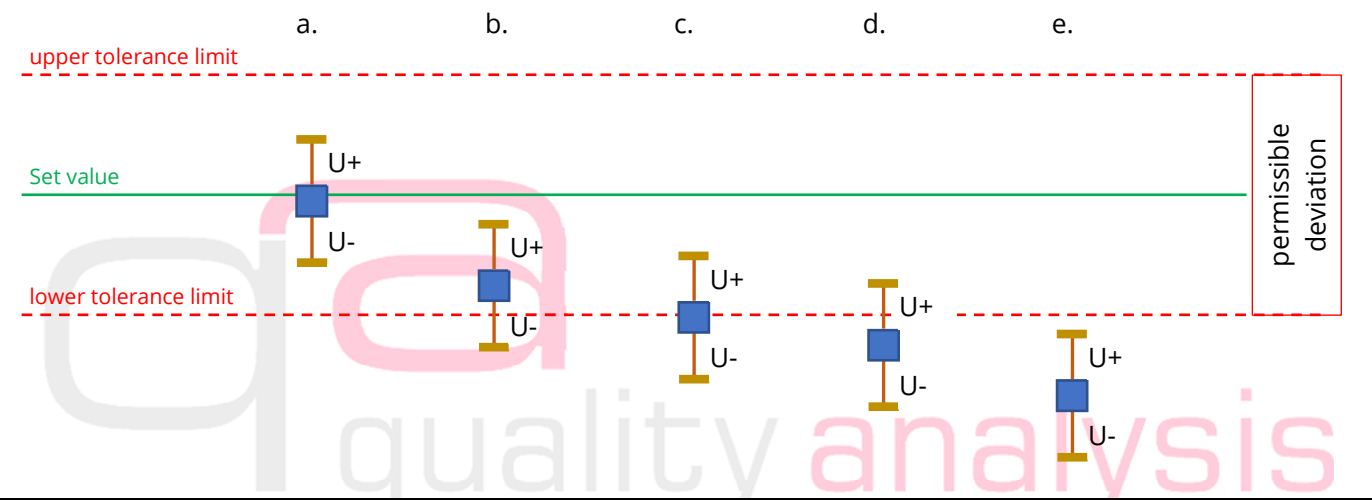


This statement of conformity applies in addition to the terms and conditions or the customer order. The standard DIN EN ISO / IEC 17025: 2018, chapters 7.8.3.1 and 7.8.6 requires conformity assessment bodies to agree a statement on the conformity of test results with the customer. The decision rule used must be documented.

The following decision rules are used at Quality Analysis GmbH:

1. If a decision rule is specified in the applied standards or specifications for a commissioned test, this is considered to be agreed with the customer.
2. If the customer requires another requirement for the test object and / or decision rule, this must be communicated and agreed separately and in writing with the order request / with the order, as well as the corresponding decision case (case a. to e.) according to this document .
3. If neither rule 1 nor 2 can be applied, the decision is generally made as follows:

 <p>Measurement uncertainty U + Measured value (actual value of the display) Measurement uncertainty U -</p>	<p>The distance between the brown line and the blue rectangle represents the measurement uncertainty expanded on one side.</p>	<p>The value of the measured variable is 95% in the assigned value interval (according to EA-4/02 M: 2022).</p>
		
<p>a. Limit/specification is met, <b>sample is compliant</b>. The risk of an incorrect evaluation is very low, since the expanded measurement uncertainty (<math>k=2</math>) is usually included in the decision.</p> <p>b. The measured value is within the tolerance limits, the <b>sample is rated as compliant</b>. Taking into account the expanded measurement uncertainty (<math>k=2</math>), however, the limit value/specification could not be met. An exceedance and thus a complaint cannot be excluded with certainty.</p> <p>c. Measured value lies on the limit value of the tolerance limits, the <b>sample is rated as compliant</b>. Taking into account the expanded measurement uncertainty (<math>k=2</math>), however, the limit value/specification could not be met. An exceedance and thus a complaint cannot be excluded with certainty.</p> <p>d. Measured value is outside the tolerance limits, the <b>sample is rated as not compliant</b>. Taking into account the expanded measurement uncertainty (<math>k=2</math>), the limit value/specification could still meet the requirements, but the risk of an overshoot and thus a complaint is high.</p> <p>e. The measured value is outside the tolerance limits, the limit value/specification has also been exceeded with measurement uncertainty considerations, the <b>sample is not compliant</b>. The risk of an incorrect evaluation is very low, since the expanded measurement uncertainty (<math>k=2</math>) is usually included in the decision.</p>		
<p><b>Decision rule:</b> Unless otherwise agreed, measurement uncertainties are not taken into account in the conformity statements. The requirement is met if the measured value is less than or equal to the tolerance limit (cases a. to c.).</p>		