

EGOLF AGREEMENT 022-2016

Subject of Agreement	Interpretation of "accuracy"
Related test standard	EN ISO 1716:2010 clause 5.9
Date of issue	2013-03-13
Reference original query	TC1, N501rev, Helpdesk 2012-15
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Problem

In the standard EN ISO 1716:2010 clause 5.9 are the characteristics of two balances as follows:

- one is an analytical balance with an accuracy of 0,1 mg
- the other is a balance with an accuracy of 0,1 g

Question: Should the uncertainty of balances be +/- 0,1 mg and +/-0,1 g or should the scale reading be 0,1 mg and 0,1 g?

Agreement

The Guide ISO/IEC 99: 2007 International Vocabulary of Metrology - Basic and general concepts and associated terms (VIM) defines as "accuracy" under para 2.13 :-

closeness of agreement between a measured quantity value and a true quantity value of a measurand

and states that *is not a **quantity** and is not given a **numerical quantity value**.*

Therefore what is written in EN ISO 1716:2010 clause 5.9. is not correct. It is proposed that the term "accuracy" in the standard should be interpreted as "resolution" since its definition given in the VIM under para 4.15 « *smallest difference between displayed **indications** that can be meaningfully distinguished* »

may be regarded as the closest one to the standard requirements.