

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 61869-2
Edition 1.0 2012-09

INSTRUMENT TRANSFORMERS –

Part 2: Additional requirements for current transformers

INTERPRETATION SHEET 1

This interpretation sheet has been prepared by IEC Technical Committee 38: Instrument transformers.

The text of this interpretation sheet is based on the following documents:

DISH	Report on voting
38/687/DISH	38/692/RVDISH

Full information on the voting for the approval of this interpretation sheet can be found in the report on voting indicated in the above table.

5.6.201.3 Limits of ratio error (ϵ) and phase displacement for measuring current transformers

BACKGROUND:

Subclause 5.6.201.3 states the following:

...For all classes, the burden shall have a power-factor of 0,8 lagging except that, when the burden is less than 5 VA, a power-factor of 1,0 shall be used, with a minimum value of 1 VA.

QUESTION:

How shall this sentence be interpreted when the rated output is above 5 VA, but the test burden for the test at 25 % of the rated output is below 5 VA?

For example, when testing a current transformer with a rated output of 10 VA, the test burden at 25 % of the rated output is 2,5 VA. Shall this test burden be at power factor 1,0 or 0,8?