

Calibration of instrument transformers

Are you sure your instrument transformer is operating properly?

■ Avoid worthless measurements...

Your kWh meters or other electrical measuring devices may be accurately calibrated, but if the instrument transformer in front of them is not operating with the same accuracy or higher, your measurements will be unreliable. When the voltage or current is high, this disparity can have a major impact on the final result. Therefore, a properly functioning instrument transformer is no luxury.

■ ... calibrate your instrument transformer

The only way to obtain the peace of mind that your instrument transformers are functioning properly is to have them calibrated by a certified organisation. Your quality system will most likely demand that this organisation be accredited. It's also important that the measurements reflect primary standards.

■ Experience in high-voltage engineering

Laborelec has many years of experience in high-voltage engineering. That substantiates their appropriateness as a partner for calibrating your instrument transformers. It has an extensive accreditation portfolio and works with standards that are regularly calibrated by primary labs. The experts at Laborelec attend meetings conducted by the various standardisation bodies, which means they can put device performance into the proper perspective.

The whole load chain under the microscope

■ Whatever the voltage

Laborelec is your partner for calibrating voltage and current transformers, current tongs, current and voltage splitters, and more. For low, medium, and high voltage. We use automatic measuring bridges and very precise standards to assure you get fast and reliable results. And we are one of the few labs in Belgium to offer this service.



The technical Competence Center
in energy processes and energy use.
From innovation to operational assistance.



We share our expertise with you to guarantee the accuracy and reliability of your entire measuring chain.

■ Studying the load influence

Laborelec does much more for you than simply calibrating your devices. We have the in-house expertise to determine the load burden of the secondary cycle circuits. That translates into a sense of confidence that a given load will not have a negative impact on the accuracy of your instrument transformers. We can simulate inductive and capacitive load scenarios in our laboratory.

■ Always up to speed on new standards

Our close relationships with standardisation organisations means we can offer high-quality guidance in interpreting results. Not only in assessing conformity with prevailing standards, but also in determining the tests needed to guarantee and increase overall quality.

■ Accreditations

To receive a review of the domain for which we are accredited, along with corresponding uncertainty margins, simply email alain.deffrennes@laborelec.com. We will send you a copy of our accreditation certificates at the earliest opportunity.

■ We can also assist you with:

- Onsite verification of your measurement installation
- Quality tests for energy meters
- Calibration of energy meters
- Calibration of electrical measuring devices



Five reasons for you to choose Laborelec:

- you have one-stop shopping for your energy needs;
- you get access to more than 40 years of experience;
- you get rapid service with reliable solutions;
- you increase the profitability of your installations;
- you benefit from independent and confidential advice.

Rodestraat 125
B-1630 Linkebeek
Belgium

Metrology

Emmanuel De Jaeger
Tel : + 32 2 382 02 62
Fax : + 32 2 382 02 41
emmanuel.dejaeger@laborelec.com

Alain Deffrennes
Tel: + 32 2 382 03 51
Fax: + 32 2 382 02 41
alain.deffrennes@laborelec.com

www.laborelec.com