



ENSTO

Ensto Laboratory
– Proven Quality

Better life.
With electricity.

At the core of Ensto's success in product innovation has always been our tradition of rigorous laboratory testing.

ensto.com

Reliability through Controlled Testing



Ensto's product development is steered by rigorous testing in our own laboratory in Porvoo, Finland. We perform accredited type testing for our products in accordance with international standards.

Ensto laboratory is an ILAC-accredited testing laboratory #T284, and it has been accredited since 2014 by the Finnish Accreditation Service, FINAS. The Quality Management System (QMS) has been built to meet the requirements of EN ISO/IEC 17025 and ISO 9001. The accreditation certificate informs our clients of the competence, reliability, and credibility of our laboratory's activities and services – both nationally and

internationally. The laboratory is approved by certifying bodies SGS Fimko and IEN to perform type tests for an agreed range of products. Certifying bodies are able to issue product certificates based on these tests.

Fully Equipped Laboratory

Our fully equipped laboratory has a plenty of capability for testing components and complete products, e.g.

- Aging tests with fully automated test benches (max 1500 A). Automatic cycles, temperature, and resistance measurements.
- Tensile strength tests (max 170 kN) with automated horizontal test benches.
- Weathering tests, UV and corrosion chambers.
- High-voltage test devices: AC/DC transformers up to 150 kV, impulse voltage up to 400 kVDC, partial discharge measurement, heating cycle transformers of max 3000 AAC and 100 kVAC.
- Material test devices.



Ten fully automatic test benches.



Ensto
laboratory
fulfills the
requirements
of SFS-EN
ISO/IEC 17025

Wide Variety of Tests

The laboratory is capable of performing full type tests for low- and medium-voltage overhead line and underground cable networks products according to the following standards: EN 50483, IEC 61238-1, EN 50397-2, IEC 61284, and EN 50393. The laboratory also has the capability for most type tests for medium-voltage underground cable network products according to IEC 61442, and HD629.1.

High-Quality Products

Ensto's tested and high-quality products play a key role in building reliable and robust electricity distribution networks with disturbance-free service. With installations in the cold north, hot deserts, salty coasts, and deep jungles, our products are proven to be reliable, installer friendly, and long lasting.

Our excellent premises for testing and well-motivated professionals give their best at work every day to ensure the future of innovative, reliable ways to distribute, and use energy.



Tested products last for decades.





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Ensto Group
P.O. Box 77
06101 Porvoo, Finland
ensto@ensto.com

ensto.com

