

Data Sheet no. 10.52/1

Tutorial HVLT: High-Voltage Laboratory Testing

Content: Tutorial HVLT is a short version of Tutorial HVTMT with the special direction to laboratory testing.

1. Introduction

Aim and historical development of HV testing; breakdown as a random variable; test procedures and conditions; principle test systems; HV measurement, calibration and measuring uncertainty (IEC 60060-2)

2. Tests at high AC voltages and PD measurement

Generation and measurement of AC voltages; requirements for dry, wet and pollution testing; PD measuring circuits and instruments (IEC 60270); PD signal-to-noise relationship; evaluation and interpretation of PD measuring results

3. Tests at high DC voltages

4. Tests with impulse voltages (LI, SI) and impulse currents (IC)

Generation of LI and SI voltages, requirements; LI/SI test procedures; IC generation; LI and SI voltage and IC measurement; digital recorders (IEC 61083)

5. HV Test Laboratories

Duration: The above content is divided into 7 lectures of 90 min each plus 1 h for free discussion per day. The full course will be held at three consecutive days.

Participants: Tutorial HVLT is prepared for managers and engineers in industry, repair shops, research and test labs.

Brochure: Each participant will get a brochure of all transparencies (approx. 160 pages) used during the Tutorial.

Certificate: Each participant will get a Certificate of Participation.

For further information please contact:

or our local representative:

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