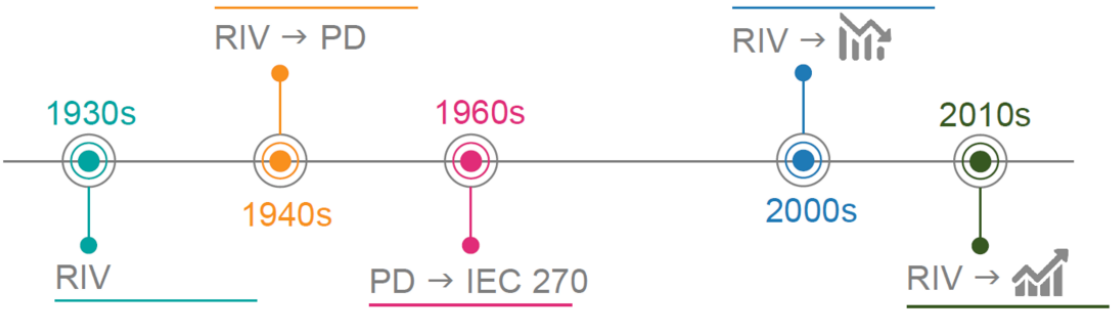
HAEFELY

Current and voltage – our passion

Radio Interference (Influence) Voltage (RIV) measurement

Do you want to learn more about RIV? Understanding the setup and results, its limitations, and flaws? The differences between NEMA and CISPR and its comparison to PD measurement? HAEFELY has prepared a condensed summary for you.



The attached article, «Partial Discharge vs Radio Influence Voltage (RIV) measurement» supports the user in the proper understanding and setup of RIV measurements. The limitations and relation of RIV measurements to Partial Discharge (PD) measurements are described and discussed. The guidelines provided will ensure repeatable results, and simplified comparisons and will help to detect test object failures. In the article, the main theory and principles of PD measurement are explained, followed by a short description of the PD and RIV processing blocks as well as a comparison of the calibration methods. The article also covers the different standards concerning RIV measurements. Towards the end, important recommendations are given as to which fundamental parameters have to be stored in the measurement records for future analysis of test objects.

These recommendations will provide good reasoning for the potential aging effects and failure development, which will in turn help improve the quality management of the product.

Related Files

Tettex_TD_109_PD_vs_RIV_measurement.pdf (850 KB)