**Extensions and changes with respect to the proceeding’s version**

1. The manuscript title was changed
2. The minor changes were prepared in Abstract
3. The partially revise was prepared in Section I (INTRODUCTION). The construction of homemade sample holder was added and an overview of the literature concerning a research of Impedance under bias (offset, displacement) was added.
4. The revise was prepared in Section II (SYSTEMATIZATION OF THE EXPERIMENTAL RESULTS) – in particular the resolution of figures was increased.
5. Some minor corrections were prepared of Section III (INTERPRETATION USING ELECTRICAL MODELS)
6. The new important studies have been carried out, which are outlined in the new section - Section IV (THE DIFFERENCE BETWEEN OPEN AND COVERED OBJECTS)
7. The new essential investigation was done and added into Section V (CHECK OF THE DATA CONSISTENCY)
8. The Section VI (DISCUSSIONS) has been substantially revised and supplemented in connection with new results
9. The CONCLUSIONS remained practically unchanged
10. Additional literature sources added to the REFERENCES