

**Instant OFF Measurements on coupon:  
an analysis of the relationship among On potential, Off potential and  
coupon polarization current by means of data received by remote  
monitoring**

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**ABSTRACT:**

Stray currents increase and in some cases coatings improvement lead to more difficulties in evaluating Eon measurements than in the past, due to higher IR components presence, thus needing the usage of coupons for better analysis.

The possibility given by new remote monitoring devices of obtaining a continuous monitor of instant-off potential and coupon polarization current, with a measure every second, creates the opportunity of building a big database of info that can allow further evaluations.

This work is focused on evaluating all these data, stored since 2010, particularly in stray currents presence conditions, to analyze the behavior of On potential, Instant-Off potential and coupon polarization current at the same time.