

## COMPENSATED, TWO-STAGES CURRENT TRANSFORMER WITH COPRRECTION ELECTRONIC AMPLIFIER

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One proposes and analyses, both in sinusoidal permanent and in short-circuit transient regimes, a method for the error compensation of the two-stages current transformer with electronic amplifier.

By utilization of an electronic amplifier with a high enough voltage gain, the current transformer compensated by the proposed method, operates in a current comparator regime. More than this, consequently to the connection of the electronic compensation device, both the alternating components and the magnitude of the aperiodical components of the error current of the two-stages current transformer are much diminished, which recommends the utilization of the proposed diagram for the measurement (detection) of the short-circuit transient currents as well.