

**96-0310**

The invention relates to the electrical engineering and is destined for nondestructive testing of the electric machines insulation technical state.

The method consists in applying the alternating voltage to the slot insulation from the voltage source, measuring the partial discharges according to the slot's length for different voltage levels but not less than three, the partial discharges impulses selection by means of an amplitude meter connected to the electromagnetic transducer's coil. For each voltage level of the partial discharges impulses selected by amplitude, bending distribution curves of the partial discharges intensity are plotted according to the slot's length and minimum position of the majority bending curves for the measured partial discharges intensity is determined the defect place into the stator slot's insulation.