

Device for thermal imaging diagnostics of hydrogenerator rotor windings comprises a lens, behind which n mirrors are fixed on an optical ruler such that their planes form an angle of 45° with a main optical axis, n lenses installed on a same optical axis with the mirrors, a ruler of n infrared sensors, a frequency divider, a buffer register, a commutator, two analog-to-digital converters, an interface unit, two pulse generators, two controlled amplifiers, a video control unit, two counters, a step-voltage generator, a memory unit, a position sensor, a position setting unit, three digital comparators, two triggers, five registers, three AND gates, a clock distributor, a digital adder, a speed setting unit, a signal shaper, a first comparator, and two digital indicators. Three counters, three registers, three AND gates, an OR gate, a third trigger, a second comparator, a fourth digital comparator, a pulse shaper, and a third digital indicator are introduced into the device.