

Device for thermal imaging diagnostics of hydrogenerator rotor windings comprises n individual infrared sensors, a frequency divider, a buffer register, a commutator, a data preparation unit, two pulse generators, two controlled amplifiers, a video control unit, a first counter, a voltage generator, a memory unit, two registers, a first digital comparator, a first trigger, a first AND gate, a block of comparators, a NOT gate, and a signal shaper. Furthermore, four counters, three registers, three AND gates, an OR gate, a second trigger, a comparator, a second digital comparator, a pulse shaper, and a digital indicator are introduced into the device.