

„The Blinker“ – the use of electronic device in teaching electricity concepts

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Apstrakt. „The Blinker“ is an electronic device primarily developed as a teaching aid for teaching elementary electricity concepts such as electric current and electric resistance. The device was named by its main property – blinking of light-emitting diodes. The Blinker enables the visualization of electric current and its semiquantitative estimations. As a teaching aid, the Blinker strongly supports conceptual based teaching approach. Without precise measurements of electric current with an ammeter, it allows students to make conclusions on interdependencies of electric current and resistances of resistors when combined in parallel and in series. In teaching electricity, the blinker offers many options for classroom work on primary as well as on secondary educational level. In this contribution, we present the device, its properties and some interesting examples of its use in the classroom.