

## **SAFETY IN DEALING WITH ELECTRICAL ENERGY**

### **Experiment topics:**

- ES 01 Overloading and fuses
- ES 02 Short circuits
- ES 03 Resistance of the human body
- ES 04 The human body in circuits
- ES 05 Touching one contact can be lethal
- ES 06 Touching one contact by body contact
- ES 07 Lethal errors
- ES 08 Site insulation
- ES 09 Protective isolation
- ES 10 Protective grounding
- ES 11 The grounded receptacle outlet
- ES 12 Disadvantages of protective grounding
- ES 13 Death in the shower – potential compensation
- ES 14 The earth leakage circuit breaker (safety switch)
- ES 15 Advantages of a safety switch
- ES 16 Testing a safety switch