Machines that work by electric current

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Abstract

We are surrounded by machines that work by electric current. For example, digital devices that work by electric current like clock or transducer. In order for them to work, they require current. This paper explains a simple way to make those devices.

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Machines that work by electric current could be made by one simple principle. That principle is calibration or measurement of electric current. We can see this just by looking at those devices. Some property such as heat, light, speed or only pressure or force (in a transducer) could be measured according to electric current measurement. For example, a speedometer in car could measure speed by measuring the current flowing through the circuit. A treadmill or a cyclic machine could use transducer for which we could measure the amount of current flowing through the circuit. Finally in a computer, all devices work through the electricity. A keyboard press could be measured by measuring the amount of current flowing through the circuit. Mouse with the help of capacitors could be made by measuring the current flowing through the circuit. Mouse with the help of capacitors could be made to locate the cursor position on the screen by measuring the amount of current flowing through the circuit. It could work on the example of capacitive touchscreen [1]. Other examples are light and heat measuring through the circuit [2].

Conclusion

This paper demonstrates a simple principle that is found and further could be used to make machines (that work on electric current). This concept could be used to make machines that work accurately for measuring something such as heat and light or measuring current according to some property such as speed in speedometer of a car.

References

- 1. Source https://www.techtarget.com/whatis/definition/capacitive-touch-screen
- 2. Source https://www.britannica.com/technology/photometer