

Interactive comment on “Magnetogama: An Open Schematic Magnetometer” by Wahyudi et al.

Anonymous Referee #2

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The Manuscript entitled Magnetogama: An open Schematic Magnetometer presents a quite interesting concept, a simple but accurate fluxgate magnetometer. I found this concept useful and very positive for educational applications (even at high school level for DIY geomagnetic observatories). Regarding to this concept, an open source fluxgate (FG) magnetometer I miss a more detailed description about electronics. That will be of high interest for teachers in order to reproduce it with their pupils. It could be included as an annex or even a external link (university department).

Regarding the calibration of the FG. The comparisons with some geomanegtic observatories are good because they present the capacities of the magnetometer. However, I would avoid the presented comparison with a "magnetic substance". Instead of doing that comparison I would suggest to measure the magnetic field generated from a simple coil with known radious, number of turns and current. From that comparison authors will be able to present a basic calibration of the instrument without a reference

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magnetometer.

Typos and grammar revision is also needed.

After these modifications I recommend its publication.

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<https://doi.org/10.5194/gi-2016-35>, 2017.

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