Use two toroids, each wound with a primary and a secondary, identical in every respect except that one (the heavier one) has an iron core whereas the other one has a wooden core. A rectifier permanently mounted on the base of a tripod has banana plug output terminals to which the primary of either toroid can be connected by means of jacks.

Connect the primary of the iron-core toroid to the rectifier, and the secondary (binding posts) to galvanometer terminals VG and GS. Make the current in the primary by holding down the push-button switch, and note the galvanometer deflection. Break the primary current by releasing the switch, and note the reversed deflection.

Replace the iron-core toroid with the wood-core toroid and repeat the experiment, noting that the galvanometer deflection is so small that it is barely observable when using the wooden core.