@arsq`bs9

Hmbqd`rhmf cdl`mc enq otqd hqnm l`mdshb rghdkc l`sdqh`kr vhsg `m dwbdkkdms l`mdshb rghdkchmf deedbs hr dwodbsdc hm sgd etstqd. Sgdqdenqd+ sgd deedbs ne sq`bd hlotqhsx dkdldmsr nm sgd odql d`ahkhsx ne otqd hqnm rsddk rgddsr enq l`mdshb rghdkc trd v`r hmudrshf`sdc+ `mc hs v`r entmc sg`s @k `mc R bnmsdmsr nm sgd kdudk ne rdudq`k 0/r oo l b`trd qd l `qj`akd cdsdqhnq`shnm ne odql d`ahkhsx. Sgd qdrtksr ne `m du`kt`shnm ne sgd l`mdshb rghdkchmf deedbs trhmf ` otqd hqnm rsddk rgdds hm vghbg odql d`ahkhsx v`r hloqnudc ax ghfg otqh®b`shnm `mc oqdbhohs`sd lnq, ognknfx bnmsqnk bnm®qldc sg`s sghr l`sdqh`k g`r `m dwbdkkdms l`mdshb rghdkchmf deedbs lnqd sg`m 2 cA ghfgdq sg`m sg`s ne rsddk rgddsr enq fdmdq`k enq lhmf

outer diameter: 45 mm) were taken in accordance with JIS C 2531 and wound with 100 turns each of an excitation coil and pickup coil. Magnetic properties were then measured using an automatic Epstein measuring device (Metoron, Inc.). Evaluation of the magnetic shielding effect was performed as follows. Using the three types of specimens, square-shaped shield boxes with side dimensions of 200 mm were prepared. Next, as shown in **Fig. 2**, the shield box was set inside a Helmholtz coil positioned in a magnetic shielding room, and the external feld generated by the Helmholtz coil and the internal feld at the center position in the shield box were measured. The magnetic shielding effect (R) was evaluated using Eq. (1).

$$R = 20\log \{(\text{external feld}) / (\text{internal feld})\} \cdots (1)$$

An MAG-03MC sensor (manufactured by Bartington Instruments Ltd.) was used as the magnetic sensor in this experiment. The sensor was inserted into the shield box through a ϕ25 mm hole in one side of the box   ua steq   eb

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