

a current sufficient to produce a field of 2000 Oe is established. 5) F1 is switched on ; using  $R_{Sh}$ , the change in external magnetic field due to the artificial change of current in the magnetizing solenoid is compensated. 6) By slow rotation of the handle of valve 17, oil is allowed to run smoothly out of the compression cylinder until reaching a pressure  $p_0$ . The pressure <sup>thus</sup> falls uniformly at a rate of 1000 atm/min . With this rate of fall we may neglect the change in the temperature of the massive sample. The change in the magnetic flux through the sample is measured by reference to the deflection of the lightspot of the fluxmeter.

*end of long footnote*