

FERRO-MAGNETIC CURIE TEMPERATURE

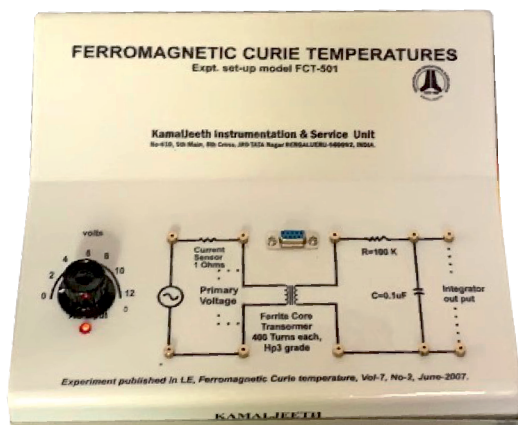
Model: FCT-201/111

Experiment(s):

1. Determination of Curie temperature of HP3 grade ferrite core

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : Lab Experiments Journal vol-7, No.2, Page-95



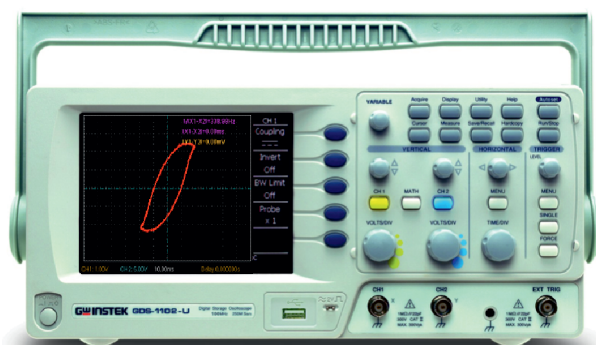
(a)



(b)



(c)



(d)

Specifications:

a) Ferromagnetic curie temperature kit

Coil: Ferrite core copper coils with 1:1 primary & secondary windings

Power supply: Built in AC source with voltage selection from 2 V to 12 V AC

Temperature indicator: Digital thermometer battery operated

Rated Input: 220 V/50 Hz or 110 V/60 Hz

Power consumption: <50 W

Cabinet: Acrylic body, aluminium bottom

b) Digital thermometer

Range: 300 °C

Resolution: 0.1 °C

c) Electric kettle & stand

Kettle Capacity: 0.5 L

Max Temp: 100 °C

Stand: Height adjustable and holds test tube with sample and temperature probe

OR

Heating: Oven heating up to 200 °C

d) Digital Storage Oscilloscope

Make: GW Instek

Model: 1102-U

Bandwidth: 100 MHz

Channels: 2

Sampling rate: 250 million samples/sec

Display: 5.7" TFT Colour

USB PC interface: Yes

Warranty: 5 years



KAMALJEETH INSTRUMENTS

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3 years manufacturing warranty