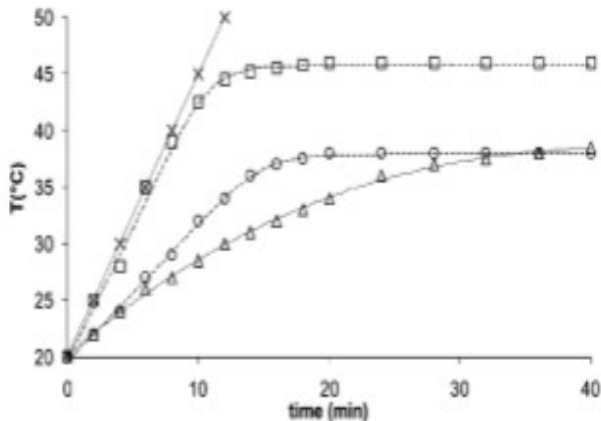


MAGNETIC HYPERTHERMIA TEST SYSTEM

MODEL – MH 500 M T



ABOUT THE SYSTEM

Magnetic Hyperthermia Test System is designed and developed by our company and has recognition worldwide. The Magnetic Hyperthermia Test System is most advanced in its specifications and can undertake various tests defined below. Magnetic Nano particles have attracted attention because of their current and potential usefulness as contrast agents for magnetic resonance imaging (MRI) or colloidal mediators for cancer magnetic hyperthermia. Our firm has designed a test setup to test the rise in temperature of Nano particles at different magnetic field. The new system is digital and has PC USB interface. Total operations are performed by highly advanced Magnetic hyperthermia test software. The test software is provided license for lifetime.

MODEL - MH 500 M T

Various tests performed by this model

- Rise in temperature vs magnetic field intensity
- Rise in temperature vs frequency

Optional test performed by this model

- Rise in temperature vs Pulse magnetic field intensity

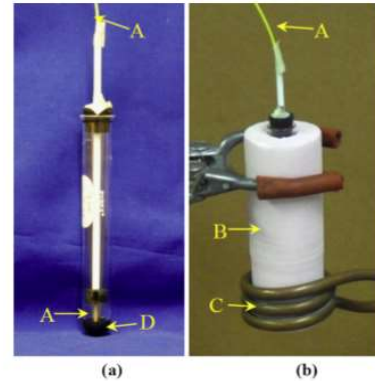


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MAGNETIC HYPERTHERMIA TEST SYSTEM

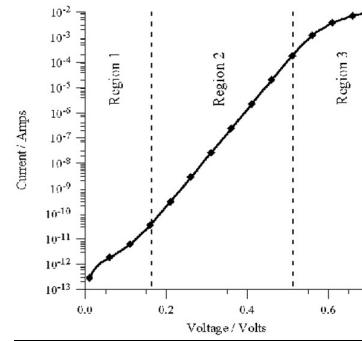
General Specifications

- **Magnetic Field Range** 0- 500 m tesla
- **Magnetic power supply** 40V 5 Amp
- Operation**
- Frequency range 0- 1Mhz
- USB Interface
- LabView driver
- Temperature Measurement range**
- Room temperature to 80 degrees. C
- Resolution 0.01 degrees



System Test Specification

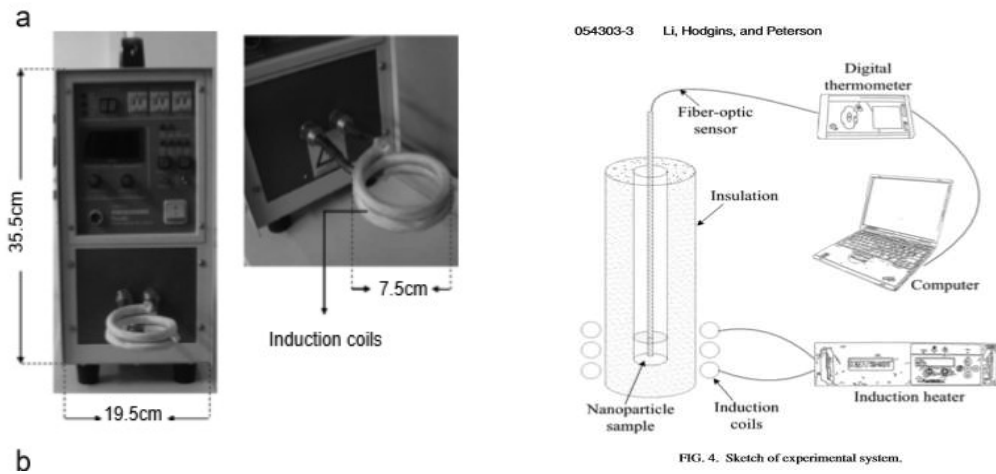
- PC interface RS232/USB
- Software to set field and frequency
- NI LabVIEW driver provided
- Variation in field 1%
- Power supply linearity 0.05%
- Input 220-volt AC
- Main control panel
- Resolution 1 %
- Stability 1%
- Fiber optics temperature sensor



Optional accessories

- Pulse amplifier
 - Dual temperature sensor
- ❖ Note – Some specifications are related with optional test indicated above. Those are valid only when particular option is purchased

MAGNETIC HYPERTHERMIA TEST SYSTEM



List of Deliverables

- Magnetic power supply
- Magnetic probe
- Sample Holder with fibre optic temperature sensor
- Temperature measurement card
- Field Control Unit
- Magnetic hyperthermia test software

List of users

- King Saudi University
- Aligarh Muslim University
- Delhi University