

*This bench top instrument is a single module design providing for ease of set-up, operation and maintenance. It is compact and saves space in the lab. The operator interface is simple and intuitive to use, allowing general operation without special training. Analysis functions are powerful, and the precision of analysis is up to 99.5%.*

### Examples of Applications:

- Fat and water phase in food
- Ratio of solid fat to liquid fat
- Hydration characteristics of pectin
- Fat content in dairy
- Free water content and retention in food



### Specifications:

Permanent magnet field strength: 0.51T

Magnet system frequency: 22.3MHz

Magnet distance: 35mm

RF pulse frequency range: 1MHz-30MHz

Magnet temperature control precision:  $\pm 0.02^\circ$

(when temp. in magnet cabinet is stable)

Homogeneity: 15ppm (10mm X 10mm X 10mm)

Resonance frequency: 21.7MHz

Pulse length adjustment: automatic or manual

Center frequency adjustment: automatic or manual

Sample diameter: 15mm (optional extra: 5mm, 25mm)

RF amplifier: average peak value output is higher than 20W, the linear distortion is less than 0.5%

Operating system: Windows XP