

## NMI20 NMR Imager and Analyzer

### PRODUCT DESCRIPTION

NMI20 is a classic Niumag instrument, which has a wide range of uses in food, agriculture, and life sciences as well as other fields.

NMI20 integrates industrial design, analysis, and imaging in one easy to use instrument. Its performance and quality are generally recognized by domestic and foreign expert users. The system has received a number prestigious awards.

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### Basic parameters:

1. Magnet: permanent magnet;
2. Magnetic field intensity:  $0.5 \pm 0.08T$
3. Probe:  $\varnothing 15mm$
4. Size (L, W, H):  $560mm \times 650mm \times 1145mm$ ;
5. Weight: 185Kg;

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### Functions:

- Determination of oil /moisture content;
- Quantitative analysis of water phase;
- Determination of solid fat content;
- Relaxation analysis of  $T2^*$ ,  $T2$  and  $T1$ ;
- Proton density imaging,  $T2$  weighted imaging,  $T1$  weighted imaging;
- Analysis of water spatial distribution;
- Analysis of contrast agent relaxation rate;

