

Specifications for 1.5T Extremity MRI

1.5Tesla

1. 16 cm imaging diameter
2. Noise Reduction Technology
3. 70 mT/m minimum gradient strength
4. 300 T/m/sec minimum slew rate
5. Power Conditioning as recommended by MRI Scanner Provider
6. UPS to maintain total system functionality for 10 minutes without facility power
7. HL7 Integration (HIS/RIS)
8. DICOM and IHE-Q/R, MWM, STORE COMMIT SCU, and MPPS
9. Advanced exam planning technology
10. Real-Time MIP, MPR, and 3D surface rendering
11. Advanced MR viewing environment for viewing, processing and file generation
12. Active self-shielding
13. Fat/water separation techniques
14. 3D FSE-based sequence for isotropic resolution in all contrasts
15. If Windows is loaded on a workstation, it must be Windows 7 or latest version
16. QA phantom
17. At least six coils ranging from 80 to 180 mm:
 - 17.1. 80 mm
 - 17.2. 100 mm
 - 17.3. 123 mm
 - 17.4. 145 mm
 - 17.5. 160 mm
 - 17.6. 180 mm
18. RF coil holder for minimum of three coils
19. Knee rest
20. Extremity rest
21. Elbow pads

Advanced Applications

1. MRI Ortho
2. Metal artifact reduction sequence (e.g. MAVRIC)
3. 3D fast spin echo sequence (such as CUBE [GE], SPACE [Siemens], VISTA [Philips])
4. Quantitative imaging package, at the very least including T2 mapping capability
5. Integration to 3rd party advanced visualization system

Training

1. On-site training for technicians and physicians (4 days)
2. Follow-up training for technicians and physicians (3 days)
3. Full Biomed Engineer System MRI training (1 engineer- tuition, lodging, and travel)

Optional Items

1. Flex coil technology

2. VPN connected remote service and applications support
3. Patient comfort focused scanning environment
4. Extended Warranty for 6 months

Optional Training Items

1. All prerequisite courses are including in the training costs.

Support and other Documentation to Provide:

1. Provide DICOM Conformance Statement
2. Provide completed Pre-procurement Assessment form (6550) and MDS² document
3. Provide information about your companies support structure during the warranty period (i.e. a listing of Field Service Engineer locations and availability, support 800 phone number(s), remote support, etc.)
4. Please provide version/platform long-range plan
5. Two complete sets of the operator and maintenance manuals
 - 5.1. One set of each must be hardcopy and the other set must be on a DVD/CD

Trade In

1. None