

DATASHEET · MRI SYSTEMS

Small Animal MRI System.

SKU CS-NM21-060H-I/CS-NM21-040H-I Spec v1 Rev. 2026-07-11

DATASHEET · P
CS-NM21-060H-I/CS-NM21-0

Rev 2026



PRODUCT FAMILY	
ANIMAL MODEL	
APPLICATION	
COUNTRY OF ORIGIN	
MFG. STANDARD	
LOT TRACEABLE	No
VERIFIED	Spec v1 · 2026-07-11

PRODUCT SPECIFICATIONS

FROM PUBLISHED PROD

PRODUCT TYPE	variable	MAGNET_FIELD_STRENGTH	1.0 ± 0.05T
MAGNET_FIELD_STRENGTH	0.5 ± 0.05T	MAGNET_UNIFORMITY_40H	±20 ppm (40mm×40mm×40 mm)
MAGNET_UNIFORMITY_60H	±20ppm (60mm×60mm×60mm)	MAGNETIC_FIELD_STABILITY	±300Hz/Hour
RF_PULSE_FREQUENCY	1-30MHz	FREQUENCY_CONTROL_ACCURACY	±0.1Hz
RF_POWER_AMPLIFIER	> 300W	MAXIMUM_BANDWIDTH	2000KHz
MRI_GRADIENT_40H	> 7.5 Gauss/cm for x, y, z	MRI_GRADIENT_60H	> 5 Gauss/cm for x, y, z
PROBE_SIZES_40H	40 mm	PROBE_SIZES_60H	60 mm, 40 mm or 25 mm (optional)
EFFECTIVE_DETECTION_VOLUME_40H	upto 0.40 mm	EFFECTIVE_DETECTION_VOLUME_60H	upto 0.62mm (45 – 150 g mice)
EFFECTIVE_DETECTION_VOLUME_60H	upto 0.42mm (20 – 45 g mice)	EFFECTIVE_DETECTION_VOLUME_40H	upto 0.32mm (1 – 20 g mice)
IMAGE_QUALITY	Graphic SNR >= 20db; Image distortion ≤ 5% - Image uniformity >=70%	MAXIMUM_DATA_RECORDING_RATE	Maximum CPMG is 18,000
MINIMUM_ECHO_TIME	200 US	COMPUTER_SPECS	PCI bus industrial control computer platform, 8-core CPU, 8G DDR memory, 1T hard disk
POWER_FREQUENCY	50Hz	HUMIDITY	30-70%
MODEL	Model 40H, Model 60H	AUTOMATION_LEVEL	semi-automated
POWER/VOLTAGE	220V	TEMPERATURE_RANGE	22-28°C (operating), 25-35°C (magnet temperature control)
ACCURACY	±0.1°C (temperature accuracy)	SPECIES	Mouse
BRAND	Greenwaves Scientific	RESEARCH_DOMAIN	Cancer Research, Cardiovascular Research, Developmental Biology, Metabolism Research, Neuroscience, Pharmaceutical QC

DIMENSIONS LxWxH (MM) **100.0 × 80.0 × 100.0**

WEIGHT (KG) **800.0**

AVAILABILITY **In stock**

INFO@CONDUCTSCIENCE.COM CONDUCTSCIENCE.COM

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BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Small Animal MRI System

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

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OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COMI

OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

ANIMAL COMPATIBILITY

BY SPECIES

NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. **Verified 2026-07-11** · **Since 2026-07-11**.

Cite: ConductScience CS-NM21-060H-I/CS-NM21-040H-I, Spec v1, 2026-07-11. conductscience.com/lab/small-animal-mri-system

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