

multi-purpose accreditation phantom

model 410

REMA IN CONFIDENT AND COMPLIANT WITH THE ULTRASOUND MULTI-PURPOSE ACCREDITATION PHANTOM DESIGNED TO HELP WITH THE ACR * AND OTHER QUALITY ASSURANCE PROGRAM REQUIREMENTS.



confidence with your routine QA

The 410 family of ultrasound phantoms lets you pick and choose what level of testing is right for your quality assurance program. All 410 phantoms will allow you to evaluate uniformity & artifacts, geometric accuracy & system sensitivity to help meet accreditation standards.

The 410 family of phantoms offers multiple scanning surfaces, including the new Full-Contact curved surface allowing you to easily test different transducer designs. All 410 models use the same patented aluminum composite scanning interface and Gammex's MultiFrequency HE Gel™ to accurately simulate human tissues. Gammex ultrasound gels have been shown to have a superior linear response of attenuation-to-frequency and improved axial resolution at frequencies greater than 7MHz compared to other commercially available ultrasound tissue-mimicking materials^{1,2}. This means more confidence across all of your diagnostic frequencies with Gammex.



INNOVATORS IN LASER ALIGNMENT & QUALITY ASSURANCE PRODUCTS

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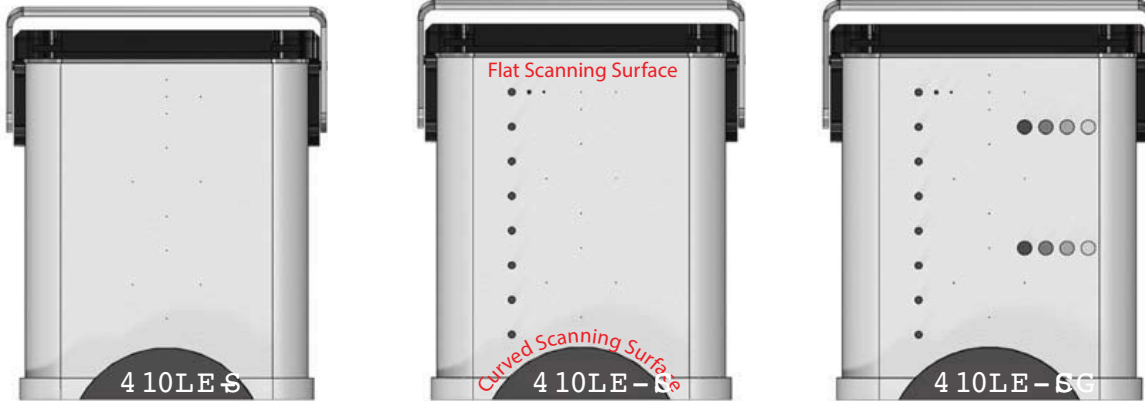
VAT NL807859151B01

IBAN NL29 RABO 0356 1960 46

BIC RABONL2U



Specifications



Feature	410LE-S	410LE-SC	410LE-SCG
Uniformity Assessments	✓	✓	✓
Geometry Assessments	✓	✓	✓
Sensitivity Assessments	✓	✓	✓
Deadzone Assessments	✓	✓	✓
Harmonic Imaging	✓	✓	✓
Multiple Transducer Scanning Surfaces	✓	✓	✓
Anechoic Cysts		✓	✓
Grey Scale Targets			✓
Tissue Mimicking Material	MultiFrequency HE Gel™		
Attenuation	0.5 dB/cm/MHz (0.7 optional)		
Length x Width x Height	18.8 cm x 9.0 cm x 21.7 cm		
Weight	2.8 kg		
HE Gel Freezing Point	Below 0° C		
HE Gel Melting Point	Above 100° C		
Frequency Range ¹	2.25 - 15 MHz		
Speed Of Sound	1540 m/s		
Number of Scanning Surfaces	2		
Horizontal Geometry Groups	3		
Verticle Geometry Targets	12		
Cross Targets (Deadzone Detection)	1		



Optional case options for easy transport & safe storage



Self-Contained Doppler Flow Phantoms

¹ Browne, J., Ramnarine, K., Watson, A., Hoskins, P.: Assessment of the Acoustic Properties of Common Tissue-mimicking Test Phantoms. *Ultrasound in Medicine and Biology*, Vol. 29 (7), pp.1053-1060. 2003.
² Goldstein A. The Effect of Acoustic Velocity on Phantom Measurements. *Ultrasound in Medicine and Biology*, Vol 26, pp1133-1143. 2000.

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