

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994

U.S. ARMY PRIMARY STANDARDS LABORATORY

AMSAM-TMD-S Buildings 5435 and 5417
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CALIBRATION

Valid To: February 28, 2017

Certificate Number: 1256.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Acoustical Quantities

DC Resistance	1 k Ω (Special)	0.070 $\mu\Omega/\Omega$	Quantized Hall resistance with MI 6800A Quantized Hall resistance system MI 6010-2000 system MI 6010C direct current comparator bridge, MI 6011 range extenders MI 6000B binary voltage divider bridge
	(1 to <10) $\mu\Omega$	0.031 %	
	(10 to <100) $\mu\Omega$	0.027 %	
	100 $\mu\Omega$ to <1 m Ω	6.2 $\mu\Omega/\Omega$	
	(1 to <10) m Ω	5.1 $\mu\Omega/\Omega$	
	(10 to <100) m Ω	3.5 $\mu\Omega/\Omega$	
	100 m Ω to <1 Ω	0.49 $\mu\Omega/\Omega$	
	(1 to <10) Ω	0.23 $\mu\Omega/\Omega$	
	(10 to <100) Ω	0.23 $\mu\Omega/\Omega$	
	100 Ω to <1 k Ω	0.21 $\mu\Omega/\Omega$	
	(1 to <10) k Ω	0.23 $\mu\Omega/\Omega$	
	(10 to <100) k Ω	0.25 $\mu\Omega/\Omega$	
	100 k Ω to <1 M Ω	1.5 $\mu\Omega/\Omega$	
(1 to <10) M Ω	3.9 $\mu\Omega/\Omega$		
(10 to <100) M Ω	10 $\mu\Omega/\Omega$		
100 M Ω to <1 G Ω	15 $\mu\Omega/\Omega$		