

MAGNETIC REFERENCE LABORATORY, INC.

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Two-Frequency Calibration Tapes: 1 kHz and 10 kHz, ½ each

These "minimalist" two-frequency Calibration Tapes contain a 1 kHz signal for setting level, and 10 kHz signal for setting azimuth and high-frequency equalization. (See other side for three-frequency tapes with 1 kHz, 10 kHz, and 100 Hz.) They are shown in the table below for ¼-, ½-, 1-, and 2-inch widths; and 3.75-, 7.5-, 15-, and 30-in/s tape speeds.

Catalog numbers are shown for reference fluxivities of both 250 nWb/m ("+3 dB") and 355 nWb/m ("+6 dB"). Both tones are recorded at 0 dB on all tapes except at 3.75 in/s

both tones are recorded at -10 dB to avoid saturating the tape at high frequencies.

Catalog numbers and prices are given for both 4-minute and 8-minute total durations.

See "Choosing and Using MRL Calibration Tapes for Audio Tape Recorder Standardization", MRL Publication Choo&U, for more information on choosing and converting between different equalizations and levels, as well as descriptions of other test signals that are available from MRL, and notes on using Calibration Tapes.

Table of Two-Frequency Calibration Tapes with 1 kHz and 10 kHz, ½ each

Medium	Tape Speed	Equalization Standard	Level of Recorded Signals*	4 minutes Total			8 minutes Total		
				Catalog Number for Reference Fluxivity of:		Price	Catalog Number for Reference Fluxivity of:		Price
				250 nWb/m ("+3 dB")	355 nWb/m ("+6 dB")		250 nWb/m ("+3 dB")	355 nWb/m ("+6 dB")	
¼ in	3.75 in/s	IEC & NAB	-10 dB	221-611-380-101	221-611-410-107	100 \$	221-611-380-127	221-611-410-123	140 \$
		IEC (IEC1)	0 dB	231-611-480-101	231-611-510-107		231-611-480-127	231-611-510-123	
	NAB (IEC2)	0 dB	233-611-480-107	233-611-510-103	233-611-480-123		233-611-510-129		
	IEC (IEC1)	0 dB	241-611-480-108	241-611-510-104	241-611-480-124		241-611-510-120		
	NAB (IEC2)	0 dB	243-611-480-104	243-611-510-100	243-611-480-120		243-611-510-126		
7.5 in/s	AES (IEC2)	0 dB	251-611-480-105	251-611-510-101	105 \$	251-611-480-121	251-611-510-127	155 \$	
	IEC & NAB	-10 dB	321-611-380-100	321-611-410-106	145 \$	321-611-380-126	321-611-410-122	225 \$	
7.5 in/s	IEC (IEC1)	0 dB	331-611-480-100	331-611-510-106		331-611-480-126	331-611-510-122		
	NAB (IEC2)	0 dB	333-611-480-106	333-611-510-102		333-611-480-122	333-611-510-128		
IEC (IEC1)	0 dB	341-611-480-107	341-611-510-103	341-611-480-123		341-611-510-129			
NAB (IEC2)	0 dB	343-611-480-103	343-611-510-109	343-611-480-129		343-611-510-125			
15 in/s	AES (IEC2)	0 dB	351-611-480-104	351-611-510-100	170 \$	351-611-480-120	351-611-510-126	250 \$	
	3.75 in/s	IEC & NAB	-10 dB	421-611-380-109	421-611-410-105	265 \$	421-611-380-125	421-611-410-121	415 \$
7.5 in/s	IEC (IEC1)	0 dB	431-611-480-109	431-611-510-105	431-611-480-125		431-611-510-121		
	NAB (IEC2)	0 dB	433-611-480-105	433-611-510-101	433-611-480-121		433-611-510-127		
IEC (IEC1)	0 dB	441-611-480-106	441-611-510-102	441-611-480-122	441-611-510-128				
NAB (IEC2)	0 dB	443-611-480-102	443-611-510-108	443-611-480-128	443-611-510-124				
30 in/s	AES (IEC2)	0 dB	451-611-480-103	451-611-510-109	305 \$	451-611-480-129	451-611-510-125	475 \$	
	7.5 in/s	IEC (IEC1)	0 dB	531-611-480-108	531-611-510-104	375 \$	531-611-480-124	531-611-510-120	570 \$
NAB (IEC2)		0 dB	533-611-480-104	533-611-510-100	533-611-480-120		533-611-510-126		
IEC (IEC1)	0 dB	541-611-480-105	541-611-510-101	541-611-480-121	541-611-510-127				
NAB (IEC2)	0 dB	543-611-480-101	543-611-510-107	543-611-480-127	543-611-510-123				
30 in/s	AES (IEC2)	0 dB	551-611-480-102	551-611-510-108	420 \$		551-611-480-128	551-611-510-124	

* Because of tape saturation at the higher frequencies at lower speeds, some tapes are recorded at -10 dB.

Prices are in US \$, and do not include shipping or applicable taxes.

Prices may be changed without notice.