

MAGNETIC REFERENCE LABORATORY, INC.

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Single-Frequency Calibration Tapes: 10 kHz

These "minimalist" single frequency Calibration Tapes contain a 10 kHz signal for setting azimuth and high-frequency equalization. (See other side for 1 kHz tapes.) 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"). The tone is recorded at 0 dB on all tapes except at 3.75 in/s the tone is 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. Inquire for longer 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 Single-Frequency Calibration Tapes with 10 kHz

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	221-580-380-106	221-580-410-102	100 \$	221-580-380-122	221-580-410-128	140 \$
	7.5 in/s	IEC (IEC1)	0 dB	231-580-480-106	231-580-510-102		231-580-480-122	231-580-510-128	
		NAB (IEC2)	0 dB	233-580-480-102	233-580-510-108		233-580-480-128	233-580-510-124	
	15 in/s	IEC (IEC1)	0 dB	241-580-480-103	241-580-510-109		241-580-480-129	241-580-510-125	
NAB (IEC2)		0 dB	243-580-480-109	243-580-510-105	243-580-480-125	243-580-510-121			
	30 in/s	AES (IEC2)	0 dB	251-580-480-100	251-580-510-106	105 \$	251-580-480-126	251-580-510-122	155 \$
½ in	3.75 in/s	IEC & NAB	-10 dB	321-580-380-105	321-580-410-101	145 \$	321-580-380-121	321-580-410-127	225 \$
	7.5 in/s	IEC (IEC1)	0 dB	331-580-480-105	331-580-510-101		331-580-480-121	331-580-510-127	
		NAB (IEC2)	0 dB	333-580-480-101	333-580-510-107		333-580-480-127	333-580-510-123	
	15 in/s	IEC (IEC1)	0 dB	341-580-480-102	341-580-510-108		341-580-480-128	341-580-510-124	
		NAB (IEC2)	0 dB	343-580-480-108	343-580-510-104		343-580-480-124	343-580-510-120	
	30 in/s	AES (IEC2)	0 dB	351-580-480-109	351-580-510-105	170 \$	351-580-480-125	351-580-510-121	250 \$
1 in	3.75 in/s	IEC & NAB	-10 dB	421-580-380-104	421-580-410-100	265 \$	421-580-380-120	421-580-410-126	415 \$
	7.5 in/s	IEC (IEC1)	0 dB	431-580-480-104	431-580-510-100		431-580-480-120	431-580-510-126	
		NAB (IEC2)	0 dB	433-580-480-100	433-580-510-106		433-580-480-126	433-580-510-122	
	15 in/s	IEC (IEC1)	0 dB	441-580-480-101	441-580-510-107		441-580-480-127	441-580-510-123	
		NAB (IEC2)	0 dB	443-580-480-107	443-580-510-103		443-580-480-123	443-580-510-129	
	30 in/s	AES (IEC2)	0 dB	451-580-480-108	451-580-510-104	305 \$	451-580-480-124	451-580-510-120	475 \$
2 in	7.5 in/s	IEC (IEC1)	0 dB	531-580-480-103	531-580-510-109	375 \$	531-580-480-129	531-580-510-125	570 \$
		NAB (IEC2)	0 dB	533-580-480-109	533-580-510-105		533-580-480-125	533-580-510-121	
	15 in/s	IEC (IEC1)	0 dB	541-580-480-100	541-580-510-106		541-580-480-126	541-580-510-122	
		NAB (IEC2)	0 dB	543-580-480-106	543-580-510-102		543-580-480-122	543-580-510-128	
		30 in/s	AES (IEC2)	0 dB	551-580-480-107		551-580-510-103	420 \$	

* 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.