LM-PRE4 Specifications

All measurements made with an Audio Precision SYS-2722 Audio Analyzer

Line Input

THD+N *1kHz, -1dBFS, 20kHz filter*	-113dB (0.00022%)
Dynamic Range *A-weighted, -60dBFS method*	119dB
Frequency Response *Deviation over 20-20kHz band, -1dBFS*	±0.010dB max.
Crosstalk *Adjacent channel, -1dBFS, 1kHz*	-138dB max.
Common Mode Rejection *-1dBFS, 60Hz and kHz*	75dB min.
Full-scale Input Level for A/D	20dBu
Input impedance	200k Ohm balanced, 100k Ohm unbalanced
Gain Settings	Fixed
Connector	Female XLR on Neutrik Combo jack

All line input measurements made with 40 ohm source applied to input

Microphone Input

THD+N *1kHz, -1dBFS, 20kHz filter*	-111dB (0.00028%) -99dB (0.0011%) -80dB (0.010%)	@ 21.6dB gain @ 41.6dB gain @ 61.6dB gain
EIN *Equivalent input noise*	-127dBu -129dBu	@ 61.6dB gain, 20kHz filter @ 61.6dB gain, A-weighted
Dynamic Range *A-weighted, -60dBFS method*	116dB	@ 21.6dB gain
Frequency Response *Deviation over 20-20kHz band, -1dBFS*	+0.01 / -0.08dB max.	@ all gain settings
Crosstalk *Adjacent channel, -1dBFS*	-127dB max. -117dB max.	@ 41.6dB gain, 1kHz @ 41.6dB gain, 10kHz
Common Mode Rejection *-1dBFS*	75dB min.	@61.6dB gain, 60Hz and 1kHz
Full-scale Input Levels for A/D	28.7dBu 20.7dBu 15.1dBu -0.9dBu -47.9dBu	@5.6dB gain, pad enabled @13.6dB gain, pad enabled @5.6dB gain, pad disabled @21.6dB gain, pad disabled @68.6dB gain, pad disabled
Input impedance	2.1k Ohm	
Gain Settings	5.6dB or 13.6dB to 68.6dB in 1dB steps, pad disabled -8dB or 0dB to 55dB in 1dB steps, pad enabled	
Pad attenuation	13.6dB	
High-pass Filter	80Hz, 12 dB / octave	
Connector	Female XLR on Neutrik Combo jack	

All mic input measurements made with 150 ohm source applied to input

Hi-Z Input

THD+N *1kHz, -1dBFS, 20kHz filter*	-109dB (0.00035%)	@ 21.6dB gain
EIN *Equivalent input noise*	-113dBu -115dBu	@ 21.6dB gain, 20kHz filter @ 21.6dB gain, A-weighted
Dynamic Range *A-weighted, -60dBFS method*	114dB	@ 21.6dB gain
Frequency Response *Deviation over 20-20kHz band, -1dBFS*	+0.01 / -0.05dB max.	@ all gain settings
Crosstalk *Adjacent channel, -1dBFS*	-132dB max. -125dB max.	@ 21.6dB gain, 1kHz @ 21.6dB gain, 10kHz
Full-scale Input Levels for A/D	14.9dBu -1.1dBu -18.1dBu (96mV) -48.1dBu (3.0mV)	@5.6dB gain @21.6dB gain @38.6dB gain @68.6dB gain
Input impedance	1M Ohm unbalanced (TS), 2M Ohm balanced (TRS)	
Gain Settings	5.6dB and 13.6dB to 68.6dB in 1dB steps	
Connector	TRS on Neutrik Combo jack	

All hi-z input measurements made with 600 ohm, balanced source applied to input