



# *Phono Preamp*

## VARIABLE EQUALIZER OPTION FOR ML-7



We are glad to introduce the Variable Equalizer (VAREQ) option. Both, the VAREQ top plate and the EQ circuit can be integrated in the HSE Phono Preamp Masterline 7 (ML-7), where only the highest quality handmade Swiss components are utilized.

Thanks to the newly integrated variable equalizer, a more accurate reproduction of LPs which do not have a RIAA filtering is possible. The new option can optimize all your recordings. You can now choose between 12 roll-off and 12 turnover positions per channel to find the very best sounding position.

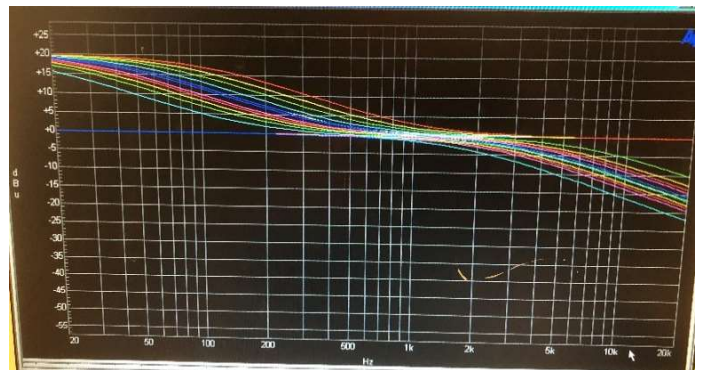
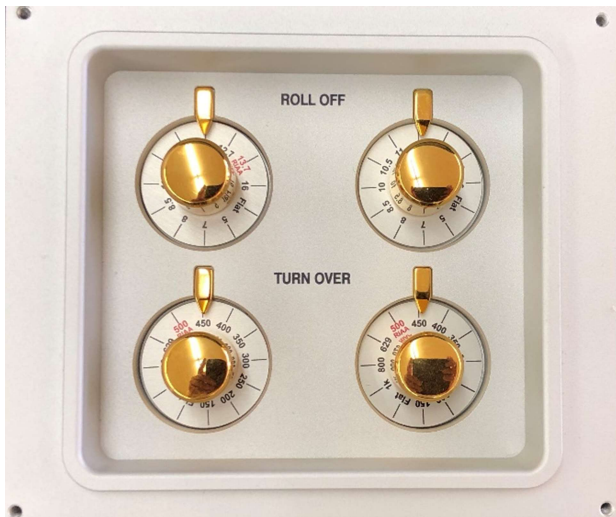
The true-balanced Class A equalizer makes a precise linearization control possible. Every LP can be de-emphasized to compensate for the RIAA curve. This high precision passive filter makes it possible to manually adjust for optimal performance.

The high precision is possible thanks to the filter which is made from a total of 88 high quality metalized film polypropylene WIMA capacitors and 4 high quality class A gain stages. Long life is guaranteed thanks to the 4 ELMA rotary switches.

# TECHNICAL DATA

INPUTS	3 balanced
OUTPUT	1 balanced (24 dBu)
GAIN	0 .. 82 dB, 1 kHz (37 position) * <i>*higher gain on request</i>
IMPEDANCE	7.5 .. 1.2k $\Omega$ & 47 k $\Omega$ (24 position)
CAPACITY	33pF .. 680pF (12 position)
NOISE EIN	-144 dB, BW: 22 Hz .. 22 kHz (49.8 nV)
RIAA	+/- 0.05 dB
VAREQ	Dual Mono, passive balanced, discrete Class A <b>ROLL OFF</b> [-dB]: FLAT, 5, 7, 8, 8.5, 10, 10.5, 11, 12, 12.7, 13.7, 16 dB (RIAA) damping at the 10 kHz <b>TURN OVER</b> [Hz]: FLAT, 150, 200, 250, 300, 350, 400, 450, 500 (RIAA), 629, 800, 1k frequency high pass filter
FREQ. RESPONSE	1.5 Hz .. 150 kHz
CROSSTALK	>120 dB
HEADROOM	>24 dB
SUBSONIC	passive balanced 15 Hz, 18 dB/oct
FUNCTIONS	MUTE, phase, overload Ind., ground lift
ARCHITECTURE	fully balanced Class A, discrete, high voltage, dual mono
CASE	aluminum milled 20mm, champagne
POWER	100/115/230 V, 80 Watt
W/D BRUTTO	incl. flight case: 28.5 kg / 780 x 560 x 240 mm
W/D NETTO	ML-7: 14 kg / 446 x 88 x 410 mm ext. PSU: 2.5kg / 110 x 115 x 280 mm

Technical specifications, appearances and other information are subject to change without notice.



The graph shows all possible adjustments of ROLL OFF and TURN OVER.