

Description

Equalizer with \pm presence

C72157-A24-A21-0-18

Equalizer (active) in SITRAL technique, studio unit

The treble/bass corrector admits a big number of variations to influence the frequency response within a sound transmission system. For further influence of the frequency response several presence frequencies with stepwise accentuation or attenuation are at the disposal of the sound engineer (accentuation and attenuation are approximately mirror-inverted in frequency response). The unit corresponds in its technical conception to the recommendations of the AK3. Active component parts are silicon planar transistors, as electrolytic capacitors tantalum capacitors are largely used.

Technical data

input	: transformer, ungrounded
input impedance	: $R_{s1} > 2$ kohms
output	: transformer, ungrounded, 300 ohms
output impedance	: $R_{s2} < 45$ ohms
output level	: rated level $p_2 = +6$ db max. level $p_2 = +21$ db
amplification	: 0 db $\pm 0,3$ db
frequency response equalizer, position 0	: 40 Hz... 15 kHz linear $\pm 0,5$ db
accentuation attenuation at 40 Hz resp. 15 kHz	: 0-3-6-9-12-15 db $\pm 0,5$ db referred to 1 kHz
presence filter frequencies	: 0,7-1-1,5-2,3-3,5-5,6 kHz $\pm 10\%$
accentuation	: 0-2-4-6-8 db $\pm 0,5$ db
attenuation	: 0-2-4-6-8 db $\pm 0,5$ db
distortion factor, equalizer in position 0	: output level $p_2 = 21$ db 40 Hz $< 1\%$ 60 Hz...15 kHz $< 0,5\%$ output level $p_2 = +6$ db 50 Hz $< 0,5\%$ 60 Hz...15 kHz $< 0,3\%$