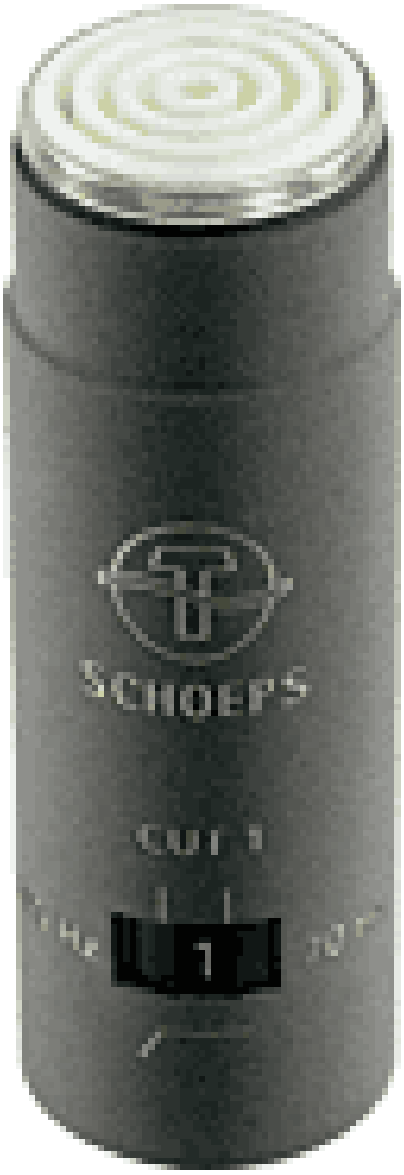
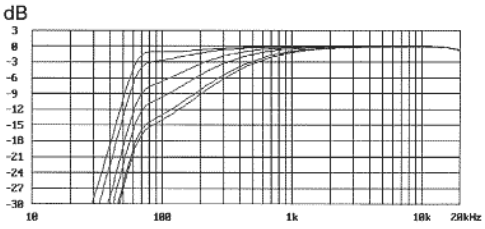
SCHOEPS CUT 1 / CUT 2

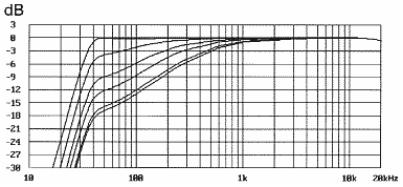
Variable Low-Cut Filter

Cena: $0,00
Kategorie: Audio, Mikrofony


SCHOEPS
CMT 5
1


dB
3
0
-3
-6
-9
-12
-15
-18
-21
-24
-27
-30
10
100
1k
10k
20kHz

GALLERY IMAGES



OPIS

- can be screwed onto the CMC, CMD or M 222 microphone amplifiers
- very effective suppression of low-frequency and infrasonic effects of wind and vibration: 24 dB/oct below 60 Hz (CUT 1) or below 30 Hz (CUT 2)
- user-adjustable variable rolloff
- offsets proximity effect

The CUT 1 or CUT 2 is inserted between the capsule and the microphone amplifier. The CUT filter performs two tasks:

First, it prevents the effect of infrasonic disturbances from being passed on to any succeeding device.

In particular, pressure-gradient transducers (directional microphones) produce very high infrasonic signal levels when exposed to wind. These can saturate an input transformer or an amplifier stage even before the audible portion of the disturbance becomes noticeable.

To avoid this, a very sharp (24 dB/oct) infrasonic filter is permanently engaged. It has only a negligible effect on speech, which is the principal field of application for the CUT 1 (cutoff frequency = 60 Hz). The CUT 2's infrasonic filter is an octave lower (i.e. 30 Hz), and has no audible effect on speech pickup whatsoever.

The second task is to offset proximity effect and/or to improve speech intelligibility in reverberant rooms by means of an additional 6 dB/oct rolloff. By turning a recessed

thumbwheel the user can vary the frequency at which this begins to have an effect, and thus tailor the low-frequency response as required. Its turnover frequency can be continuously varied between 35 Hz (CUT 2) or 70 Hz (CUT 1) and 600 Hz (see response curveson the Graphics page).

Application

Of course it is to be expected that filters such as the CUTs will affect the naturalness of the sound picked up by the microphone. But in many cases the CUTs (in combination with the appropriate windscreen) are the only means by which an acceptable recording can be made at all.

The CUTs raise the sensitivity of standard microphone amplifiers by 5 dB, while those marked with “+ 5 dB” will retain their increased sensitivity.

As an aid to properly seating the windscreens W 20 and W 20 R1, the diameter of the CUTs have a slight step near their front ends.

Since the weight of a microphone increases with the addition of a CUT, the stiffer elastic suspension A 20 S is required.