

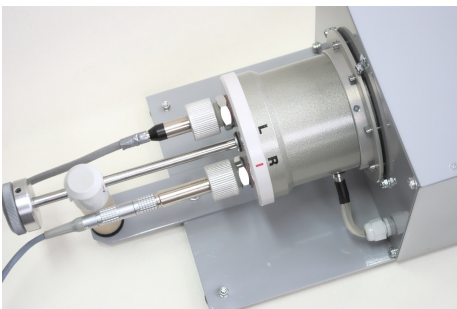
Low Frequency Pressure Chamber Type PF-12



Low Frequency Pressure Chamber Type PF-12 is a source of sound pressure in infrasound frequency range for measurements in lab conditions.

The chamber is designed for:

- checking sound level meters at infrasound frequencies;
- testing the frequency response and phase response of measuring microphones in the frequency range from 0.5 Hz to 160 Hz;
- calibrating measuring microphones of Type LS2 and WS2 by simultaneous comparison.



The Type PF-12 contains an electrodynamic exciter connected to a piston which moves inside a sealed pressure chamber.

Sinusoidal electrical signal from the external source is amplified and supplied to the controller causing a sinusoidal motion of the piston. The chamber generates an acoustic pressure of up to 120 dB at the frequency of the signal generator.

Accessories:

- external power supply;
- user manual;
- warranty card;
- transporting case.

Technical specifications

Sound Pressure Level (THD below < 3 %) at reference conditions:	up to 120 dB
Nonlinear distortions (114 dB/10 Hz):	< 2 %
Measuring frequency range:	0,3 Hz to 160 Hz
Signal level attenuation:	0 dB and 20 dB
Continuously level control:	> 40 dB
Half-inch microphone external diameter:	13,2 mm
Pressure chamber volume:	460 cm ³
Duration of static pressure transient after closing the pressure chamber:	up to 20 s
Reference conditions:	
• ambient pressure	101,325 kPa
• temperature	23 °C
• relative humidity	50 %
• signal frequency	10 Hz
Warm-up time :	10 minutes
External power supply 230V/50 Hz:	+/- 18 V; 10 VA
Dimensions:	(400×200×190) mm
Weight:	4 kg

We reserve the right to change the specifications without prior notice.