

Infrasound Calibrator Type IFC-1



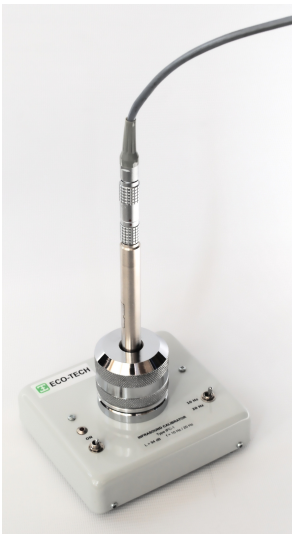
Infrasound calibrator Type IFC-1 is used to calibration of acoustic measuring instruments adapted to measurements in infrasound frequency range.

Main features:

- enables to carry out calibration in lab or in field conditions;
- portable device;
- rugged design.

The Type IFC-1, when connected to the microphone of the tested instrument generates a sinusoidal sound pressure signal SPL = 94 dB at frequency 10 Hz or 20 Hz in its pressure chamber. Both frequencies enable to test G weighting network of sound level meter.

The calibration method is in compliance with Annex A of ISO 7196.



The set of the calibrator consists:

- Infrasound Calibrator Type IFC-1;
- user manual;
- warranty card;
- transporting bag.

Technical Specifications

SPL under reference conditions:	94 dB ± 0,5 dB
Frequency accuracy:	10 Hz or 20 Hz
Accuracy:	± 0,5%
Non-linear distortion:	below 3%
Microphone diameter:	½"
Reference conditions:	
• ambient pressure:	101,325 kPa
• temperature:	23°C
• relative humidity:	50%
Power supply:	2 alkaline batteries 6LR61
Operating conditions:	
• temperature range:	10°C to 50°C
• static pressure range:	92 kPa to 104,0 kPa (acoustic pressure coefficient $k_p = 0,008$ dB/hPa)
• humidity range:	20% to 80%
Dimensions (WxDxH):	(130 x 115 x 85) mm
Weight:	0,9 kg (batteries installed)

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