

AND INSTRUMENTATION FOR CALIBRATION OF INSTRUMENTS FOR INFRASOUND MEASUREMENTS

There is presented a set of instruments for calibrating of measuring instruments adapted for measurements in infrasound frequencies range and the technique of their practical application. There has been a lack of such devices so far, combined with a slight feeling of need for calibration of the measuring equipment by acoustic methods. The instrumentation has been developed in response to the growing demand for testing and metrological testing of sound level meters equipped with G weighting network and multi-channel measuring systems for infrasound monitoring in the environment. Besides of infrasound calibrators intended mainly for field use, the acoustical pressure measuring system for comparative testing is presented. It enables determination of frequency amplitude and phase response of microphones and microphones in lab conditions, as well as testing and selection of measurement microphones for multi-channel infrasound monitoring systems.

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