

Acoustic device for detection of places of leakage of underground pipelines is intended for use in municipal industry for control of systems of water supply, heating and canalization. The device includes sensitive element connected to signal amplifier, connected in sequence analog-digital transformer, multiplication block, adder, threshold element, indication block and block for synchronization and control, and operator's head phones. Key element is included there, this is connected between the output of signal amplifier and input of analog-digital transformer, block for storage of signal counts with its input connected to output of analog-digital transformer, and output is connected to the second input of multiplication block, block for dispersion and effective value calculation, block for calculation of threshold value and comparator block. At that the input of calculation of threshold value block and first input of comparator block are connected to the output of block for dispersion and effective value calculation, its input is connected to the output of analog-digital transformer, second input of comparator block is connected to the output of signal amplifier, and its output – to control input of key element, output of block for threshold value calculation is connected to control input of threshold element. Output of adder is connected to input of control of multi-level representation, and output of threshold element – to input of control of binary representation of indication block, head operator's telephones are connected to the output of key element. The device provides increase of noise stability and decrease of probability of error alarm.