



Vibration calibrator 8001

Vibration calibrator 8001 is designed for **calibration of vibration-measuring devices and transducers** in laboratories and on-site. The vibration calibrator is indispensable in commissioning works of stationary vibration measuring systems with a large quantity of vibration sensors. It is suitable for a fast calibration of vibration-survey equipment in field and shop conditions, since it has weight of 1,9 kg and an accumulator continuous work is about 5 hours.

Vibration calibrator 8001 complies with requirements of GOST R 51330.0, GOST R 51330.10 and is intended for operation **in explosive zones**, where explosive mixtures of IIA, IIB categories and T1÷T5 temperature classes can be generated. Its explosion protection rate is IExibIIBT5.



Vibration calibrator 8001 advantages

- digital control and regulation system;
- useful load of up to 200 g;
- small size;
- easy to work;
- universal fastening of the vibration sensor;
- possibility of switching off at any moment of operation cycle;
- switching off by timer;
- switching off when supply voltage drops below tolerable level.

Vibration calibrator 8001 is registered in the State Register of Instrumentation under No 37197-08 (Certificate of instrumentation type approval RU.C.28.004.A No 30796).

The warranty for supplied equipment - 12 months.

Specifications	
Operation frequency, Hz	159,2±0,2
Vibration acceleration, m/sec ²	10±0,3
Velocity, mm/sec	10±0,35
Vibration displacement, μm	10±0,4
Time for reaching operation mode, sec	4
Duration of operation cycle, s*	90±3
Time of continuous operation, using battery, h	5
Non-linear distortions, %	
at load mass from 0 to 50 g	≤5
at load mass above 50 to 200 g	≤3
Maximal load, g	200
Dimensions, mm:	
diameter	70
height	228
Weight, kg	1,9
Operation conditions: temperature, °C	-20...+60

* Specifications can be changed on the Customer's request
Specifications can be changed without prior notification